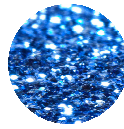


Product Data Sheet



The German spirit of quality since 1854



SiLigit Polyester Glitter Grade I

First created on: 2008-04-17 Updated on: 2022-02-04
 Next inspection on: 2022-12-31 Printed on: 2022-02-04

Version: V13/2022

Trade name: Polyester Glitter Grade I

Application of product:

Used in automotive paints, in the paint- and coating industry (e.c. for powder lacquer), used for the Masterbatch industry as well as in the printing industry.

Construction of the Article number:

Material	Size		Colour	Form
29	10	—	51A-56	hex

Construction of Glitter particle:



Chemical composition:

Name	Weight	CAS-No.	EG-No.	CI-No.	FDA/CFR
Pigment FD&C Yellow No. 5 Aluminum Lake	belongs to Article; between 0 - 0.2%	12225-21-7	none	19140	
Pigment FD&C Red No. 40 Aluminum Lake		68583-95-9	none	16035	
Aluminum	0.1-0.6%	7429-90-5	231-072-3	77000	
Polyethylene Terephthalate	99.4-99.9%	25038-59-9	none		FDA Ref# 21 CFR 177.1630

Available sizes:

Size particle		Gauge / thickness 0.012 mm / 0.0005"	Form	
			hexagonal	rectangular
0.05 mm	0.002" hex	Art. 2930	X	
0.10 x 0.05 mm	0.004 x 0.002"	Art. 2925		X
0.10 mm	0.004" hex	Art. 2920	X	
0.20 mm	0.008" hex	Art. 2910	X	
0.40 mm	0.015" hex	Art. 2901	X	

Tolerance size particle/gauge: +/- 10 %

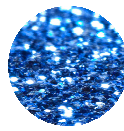
Colours / Pigments:

Colours	Weight	EU CI-No.
32A-56 hologram pewter	0.10 %	77000
50A-56 hologram silber	0.60 %	77000
51A-56 hologram gold	0.40 %	77000
	0.15 %	19140
	0.05 %	16035
59A-56 hologram copper	0.40 %	77000
	0.20 %	16035

Technical data:

Specific weight: 1.38 kg/dm³
 Bulk density: between 0.25 and 0.60 kg/dm³ - depending on particle size

Product Data Sheet



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SiLiglit Polyester Glitter Grade I

First created on: 2008-04-17
Next inspection on: 2022-12-31

Updated on: 2022-02-04
Printed on: 2022-02-04

Version: V13/2022

Resistance:

Medium	Condition	Result
Temperature	up to 220 °C	resistant
MEK (Methyl Ethyl Ketone; 99%)	15 min	resistant
Isopropanol (25%)	15 min.	resistant
Isopropanol (70%)	15 min.	resistant
Demineralized H ₂ O	3 months	resistant

Storage indication:

Store in a dry manner in closed (original) container by room temperature.

Disposal information:

There is no type of waste that occurs due to the product that requires special supervision according to (EU) No. 1357/2014 guideline.

Further information:

Sample card Hologram Glitter for Powder Coatings
Safety Data Sheet SiLiglit Grade I Holo powder coating-56

Manufacturer / Supplier:

Sigmund Lindner GmbH
Oberwarmensteinacher Str. 38
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Web: www.sili.eu
E-Mail: info@sili.eu

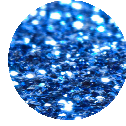
Company Sigmund Lindner GmbH has established a Quality Management System according to DIN EN ISO 9001 since 1997.

Responsible:

Erwin Pschierer, Product Manager Glitter
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E-Mail: pschierer@sili.eu

*Product trials and stability tests are always recommended and are the responsibility of the customer prior to production.
All data are reference values – subject to change without prior notice.*

Product Data Sheet



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SiLigit Polyester Glitter Grade I Hologram-3

First created on: 2010-03-30 Updated on: 2022-02-04
 Next inspection on: 2022-12-31 Printed on: 2022-02-04

Version: V18/2022

Trade name: Polyester Glitter Grade I Hologram-3

Application of product: Effect material for aerosol, paint and coatings, decoration, and other products

Construction of the Article number:

Material	Size		Colour	Form
25	20	—	51A-3	sq

Construction of Glitter particle:



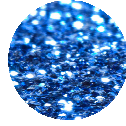
Chemical composition:

Name	Weight	CAS-No.	EINECS	CI-No.	FDA/CFR
Polyurethane Coating	2.5 - 3.2 %	68258-82-2	none	---	FDA Ref# 21 CFR 177.1680
Pigments					
Red 122	belongs to Article; between 0 - 1.3 %	980-26-7	213-561-3	73915	---
Yellow 83		5567-15-7	226-939-8	21108	---
Blue 15		147-14-8	205-685-1	74160	---
Green 7		1328-53-6	215-524-7	74260	---
Violet 23		6358-30-1	228-767-9	51319	---
Black 7		1333-86-4	215-609-9	77266 (nano)	---
Aluminum	0,1 %	7429-90-5	231-072-3	77000	
Polyethylene Terephthalate	95.4 - 97.4 %	25038-59-9	none	---	FDA Ref# 21 CFR 177.1630

Available sizes:

Size particle		Gauge / thickness			Form		
		0.013 mm 0.0005"	0.025 mm 0.0010"	0.050 mm 0.0020"	■ sq	⬡ hex	▭ rec
0.075 x 0.05 mm	0.003 x 0.002"	Art. 2529				X	
0.10 x 0.05 mm	0.004 x 0.002"	Art. 2525				X	
0.20 x 0.10 mm	0.008 x 0.004"		Art. 25151			X	
0.90 x 0.10 mm	0.035 x 0.004"			Art. 2516		X	
1.60 x 0.30 mm	0.062 x 0.0125"			Art. 2517		X	
3.10 x 0.20 mm	0.125 x 0.008"			Art. 2514		X	
3.10 x 0.30 mm	0.125 x 0.0125"			Art. 2518		X	
0.10 mm	0.004" hex/sq		Art. 2520	X	X		
0.15 mm	0.006" hex/sq			Art. 2519	X	X	
0.20 mm	0.008" hex			Art. 2510	X		
0.40 mm	0.015" hex			Art. 2501	X		
0.50 mm	0.020" hex			Art. 25025	X		
0.60 mm	0.025" hex			Art. 2502	X		
0.80 mm	0.032" hex			Art. 2503	X		

Product Data Sheet



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SiLigit Polyester Glitter Grade I Hologram-3

First created on: 2010-03-30
Next inspection on: 2022-12-31

Updated on: 2022-02-04
Printed on: 2022-02-04

Version: V18/2022

Size particle		Gauge / thickness			Form		
		0.013 mm 0.0005"	0.025 mm 0.0010"	0.050 mm 0.0020"	■ sq	● hex	■ rec
1.00 mm	0.040" hex			Art. 2504		X	
1.60 mm	0.062" hex			Art. 2508		X	
2.50 mm	0.094" hex			Art. 2509		X	
3.00 mm	0.125" hex			Art. 25095		X	
random				Art. 2550	irregular		
2.00 mm	0.080"			Art. 259020	diamonds		
3.00 mm	0.125"			Art. 254030	hearts		
3.00 mm	0.125"			Art. 255030	stars		
3.00 mm	0.125"			Art. 256030	dots		
4.00 mm	0.156"			Art. 258040	daisies		

Tolerance size particle/gauge: +/- 20 %

Colours / Pigments:

Colours	CI-Number
32A-3 Hologram gunmetal	74160 77266
36A-3 Hologram rose	73915
37A-3 Hologram lilac	51319
47A-3 Hologram lavender	51319
50A-3 Hologram silver	without Pigment *)
51A-3 Hologram gold	73915 21108
52A-3 Hologram red	73915 21108
55A-3 Hologram aqua	74260 74160
59A-3 Hologram copper	73915 21108
62A-3 Hologram light blue	74160 74260
78A-3 Hologram orange	73915 21108

*) chemical Composition: Polyethylene Terephthalate 96.7-97.4 % / Aluminum 0.1 % / Polyurethane 2.5-3.2 %

Technical data:

Specific weight: 1.38 kg/dm³
Bulk density: between 0.25 and 0.60 kg/dm³ - depending on particle size

Resistance:

Medium	Condition	Result
Temperature (up to 230 °C)	1 min.	resistant
Temperature (up to 175 °C)	5 min.	resistant
MEK (Methyl Ethyl Ketone; 99%)	15 min.	resistant
Isopropanol (25%)	15 min.	resistant
Isopropanol (70%)	15 min.	resistant
Demineralized H ₂ O	3 months	resistant

Storage indication:

Store in a dry manner in closed (original) container by room temperature.

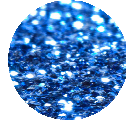
Disposal information:

There is no type of waste that occurs due to the product that requires special supervision according to (EU) No. 1357/2014 guideline.

Further information:

Sample card Polyester Glitter Grade I
Safety Data Sheet SiLigit Grade I Holo-3 PU
Test Reports

Product Data Sheet



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SiLigit Polyester Glitter Grade I Hologram-3

First created on: 2010-03-30 Updated on: 2022-02-04
Next inspection on: 2022-12-31 Printed on: 2022-02-04

Version: V18/2022

Manufacturer / Supplier:

Sigmund Lindner GmbH
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Web: www.sili.eu
E-Mail: info@sili.eu

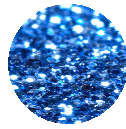
Company Sigmund Lindner GmbH has established a Quality Management System according to DIN EN ISO 9001 since 1997.

Responsible:

Erwin Pschierer, Product Manager Glitter
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Product Data Sheet



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SiLigit Polyester Glitter Grade I Iris 300-3

First created on: 2011-07-12 Updated on: 2021-03-24
 Next inspection on: 2021-12-31 Printed on: 2021-03-24

Version: V16/2021

Trade name: Polyester Glitter Grade I Iris 300-3

Application of product: Effect material for decoration and other products

Construction of the Article number:

Material	Size		Colour	Form
25	10	—	321-3	hex

Construction of Glitter particle:



Particle is made from up to 120 individual foils

Chemical composition:

Name	Weight	CAS-No.	EG-No. (EINECS)	CI-No.	FDA/CFR
Polyethylene Terephthalate	75 %	25038-59-9	none	---	FDA Ref# 21 CFR 177.1630
Acrylates Copolymer	25 %	25035-69-2	none	---	FDA Ref# 21 CFR 177.1010

Colours:

321-3 iridescent copper/red
 322-3 iridescent red/green
 323-3 iridescent blue/green
 324-3 iridescent violet
 300-3 iridescent multi (mixture: 321-324)

Special colours:

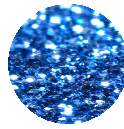
(available by request)

310-3 iridescent (mixture: 321+322)
 311-3 iridescent (mixture: 323+324)

Available sizes:

Size particle		Artikel / Gauge/thickness					Form		
		0.035 mm 0.0014"	0.033 mm 0.0013"	0.030 mm 0.0012"	0.028 mm 0.0011"	0.028-0.035 mm 0.0011-0.0014"	■ sq	● hex	■ rec
1.60 mm	0.062"	2562-321-3	2562-322-3	2562-323-3	2562-324-3	2562-300-3	random		
6.30 mm	0.250"	2550-321-3	2550-322-3	2550-323-3	2550-324-3	2550-300-3	random		
0.90 mm	0.035"	2535-321-3	2535-322-3	2535-323-3	2535-324-3	2535-300-3	random		
0.10 x 0.05 mm	0.004 x 0.002"	2525-321-3	2525-322-3	2525-323-3	2525-324-3	2525-300-3			X
0.20 x 0.10 mm	0.008 x 0.004"	2515-321-3	2515-322-3	2515-323-3	2515-324-3	2515-300-3			X
0.90 x 0.10 mm	0.035 x 0.004"	2516-321-3	2516-322-3	2516-323-3	2516-324-3	2516-300-3			X
1.60 x 0.30 mm	0.062 x 0.0125"	2517-321-3	2517-322-3	2517-323-3	2517-324-3	2517-300-3			X
3.10 x 0.20 mm	0.125 x 0.008"	2514-321-3	2514-322-3	2514-323-3	2514-324-3	2514-300-3			X
3.10 x 0.30 mm	0.125 x 0.0125"	2518-321-3	2518-322-3	2518-323-3	2518-324-3	2518-300-3			X
0.10 mm	0.004" sq / hex	2520-321-3	2520-322-3	2520-323-3	2520-324-3	2520-300-3	X	X	
0.15 mm	0.006" sq / hex	2519-321-3	2519-322-3	2519-323-3	2519-324-3	2519-300-3	X	X	
0.20 mm	0.008" hex	2510-321-3	2510-322-3	2510-323-3	2510-324-3	2510-300-3		X	
0.40 mm	0.015" hex	2501-321-3	2501-322-3	2501-323-3	2501-324-3	2501-300-3		X	
0.50 mm	0.020" hex	25025-321-3	25025-322-3	25025-323-3	25025-324-3	25025-300-3		X	

Product Data Sheet



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SiLigit Polyester Glitter Grade I Iris 300-3

First created on: 2011-07-12
Next inspection on: 2021-12-31

Updated on: 2021-03-24
Printed on: 2021-03-24

Version: V16/2021

Size particle		Artikel / Gauge/thickness					Form		
		0.035 mm 0.0014"	0.033 mm 0.0013"	0.030 mm 0.0012"	0.028 mm 0.0011"	0.028 - 0.035 mm 0.0011-0.0014"	■ sq	● hex	■ rec
0.60 mm	0.025" hex	2502-321-3	2502-322-3	2502-323-3	2502-324-3	2502-300-3		X	
0.80 mm	0.032" hex	2503-321-3	2503-322-3	2503-323-3	2503-324-3	2503-300-3		X	
1.00 mm	0.040" hex	2504-321-3	2504-322-3	2504-323-3	2504-324-3	2504-300-3		X	
1.60 mm	0.062" hex	2508-321-3	2508-322-3	2508-323-3	2508-324-3	2508-300-3		X	
2.50 mm	0.094" hex	2509-321-3	2509-322-3	2509-323-3	2509-324-3	2509-300-3		X	
3.00 mm	0.125" hex	25095-321-3	25095-322-3	25095-323-3	25095-324-3	25095-300-3		X	

Technical data:

Specific weight: 1.20 kg/dm³
Bulk density: between 0.20 and 0.75 kg/dm³ - depending on particle size

Resistance:

Medium	Condition	Result
Temperature	up to 100 °C	resistant
MEK (Methyl Ethyl Ketone; 99%)	15 min.	not resistant
Isopropanol (25%)	15 min.	not resistant
Isopropanol (70%)	15 min.	not resistant
Demineralized H ₂ O	3 months	resistant

Storage indication:

Store in a dry manner in closed (original) container by room temperature.

Disposal information:

There is no type of waste that occurs due to the product that requires special supervision according to (EU) No. 1357/2014 guideline.

Further information:

Safety Data Sheet SiLigit Grade I Iris 300-3

Manufacturer / Supplier:

Sigmund Lindner GmbH
Oberwarmensteinacher Str. 38
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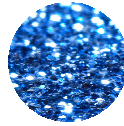
Company Sigmund Lindner GmbH has established a Quality Management System according DIN EN ISO 9001 since 1997.

Responsible:

Erwin Pschierer, Product Manager Glitter
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Product trials and stability tests are always recommended and are the responsibility of the customer prior to production.
All data are reference values – subject to change without prior notice.

Product Data Sheet



The German spirit of quality since 1854



SiLigit Polyester Glitter Grade I Iris 373-3, 380-3

First created on: 2010-09-13 Updated on: 2021-05-10
 Next inspection on: 2021-12-31 Printed on: 2021-05-10 Version: V12/2021

Trade name: Polyester Glitter Grade I Iris 373-3, 380-3

Application of product: Effect material for decoration and other products

Construction of the Article number:

Material	Size		Colour	Form
25	10	-	380-3	hex

Construction of Glitter particle:



Chemical composition:

Name	Weight	CAS-No.	EG-No. (EINECS)	CI-No.	FDA/CFR
Pigments	not known				
Pigment Red 122		980-26-7	213-561-3	73915	---
Pigment Yellow 83		5567-15-7	226-939-8	21108	---
Polybutylene Terephthalate	not known	30965-26-5	none	none	FDA Ref# 21 CFR 177.1660
Polyethylene Naphthalate	not known	25853-85-4	none	none	FDA Ref# 21 CFR 177.1637

Colours:

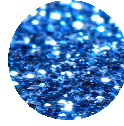
Colours	CI-Number
373-3 uget yellow	21108
380-3 gold uget	73915 21108

Available sizes:

Size particle		Gauge/thickness 0.035 mm / 0.0014"	Form		
			sq	hex	rec
0.10 x 0.05 mm	0.004 x 0.002"	Art. 2525			X
0.20 x 0.10 mm	0.008 x 0.004"	Art. 2515			X
0.90 x 0.10 mm	0.035 x 0.004"	Art. 2516			X
1.60 x 0.30 mm	0.062 x 0.0125"	Art. 2517			X
3.10 x 0.20 mm	0.125 x 0.008"	Art. 2514			X
3.10 x 0.30 mm	0.125 x 0.0125"	Art. 2518			X
0.10 mm	0.004" sq	Art. 2520	X		
0.15 mm	0.006" sq	Art. 2519	X		
0.20 mm	0.008" hex	Art. 2510		X	
0.40 mm	0.015" hex	Art. 2501		X	
0.50 mm	0.020" hex	Art. 25025		X	
0.60 mm	0.025" hex	Art. 2502		X	
0.80 mm	0.032" hex	Art. 2503		X	
1.00 mm	0.040" hex	Art. 2504		X	
1.60 mm	0.062" hex	Art. 2508		X	
2.50 mm	0.094" hex	Art. 2509		X	
3.00 mm	0.125" hex	Art. 25095		X	
random		Art. 2550	irregular		

Tolerance size particle/gauge: +/- 10 %

Product Data Sheet



The German
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SiLigit Polyester Glitter Grade I Iris 373-3, 380-3

First created on: 2010-09-13
Next inspection on: 2021-12-31

Updated on: 2021-05-10
Printed on: 2021-05-10

Version: V12/2021

Technical data:

Specific weight: 1.20 kg/dm³

Bulk density: between 0.20 and 0.75 kg/dm³ - depending on particle size

Resistance:

Medium	Condition	Result
Temperature	up to 175 °C	resistant
MEK (Methyl Ethyl Ketone; 99%)	15 min.	not resistant
Isopropanol (25%)	15 min.	resistant
Isopropanol (70%)	15 min.	resistant
Demineralized H ₂ O	3 months	resistant

Storage indication:

Store in a dry manner in closed (original) container by room temperature.

Disposal information:

There is no type of waste that occurs due to the product that requires special supervision according to (EU) No. 1357/2014 guideline.

Further information:

Sample card Polyester Glitter Grade I
Safety Data Sheet SiLigit Grade I Iris 373,380-3

Manufacturer / Supplier:

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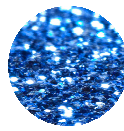
Company Sigmund Lindner GmbH has established a Quality Management System according DIN EN ISO 9001 since 1997.

Responsible:

Erwin Pschierer, Product Manager Glitter
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Product Data Sheet



The German spirit of quality since 1854



SiLigit Polyester Glitter Grade I Iris 500-3

First created on: 2009-01-02 Updated on: 2021-05-10
 Next inspection on: 2021-12-31 Printed on: 2021-05-10

Version: V13/2021

Trade name: Polyester Glitter Grade I Iris 500-3

Application of product: Effect material for decoration and other products

Construction of the Article number:

Material	Size		Colour	Form
25	10	—	522-3	hex

Construction of Glitter particle:



Particle is made from up to 120 individual foils

Chemical composition:

Name	Weight	CAS-No.	EG-No.	CI-No.	FDA/CFR
Polybutylene Terephthalate	75 %	26062-94-2	none	none	FDA Ref# 21 CFR 177.1660
Polyethylene Naphthalate	25 %	25853-85-4	none	none	FDA Ref# 21 CFR 177.1637

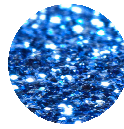
Colours:
 521-3 iris-copper/red
 522-3 iris-red/green
 523-3 iris-blue/green
 524-3 iris-violet

Available sizes:

Size particle		Article / Gauge/thickness					Form		
		0.035 mm 0.0014"	0.033 mm 0.0013"	0.030 mm 0.0012"	0.028 mm 0.0011"	0.028-0.035 mm 0.0011-0.0014"	■ sq	● hex	■ rec
0.10 x 0.05 mm	0.004 x 0.002"	2525-521-3	2525-522-3	2525-523-3	2525-524-3	2525-500-3			X
0.20 x 0.10 mm	0.008 x 0.004"	2515-521-3	2515-522-3	2515-523-3	2515-524-3	2515-500-3			X
0.90 x 0.10 mm	0.035 x 0.004"	2516-521-3	2516-522-3	2516-523-3	2516-524-3	2516-500-3			X
1.60 x 0.30 mm	0.062 x 0.0125"	2517-521-3	2517-522-3	2517-523-3	2517-524-3	2517-500-3			X
3.10 x 0.20 mm	0.125 x 0.008"	2514-521-3	2514-522-3	2514-523-3	2514-524-3	2514-500-3			X
3.10 x 0.30 mm	0.125 x 0.0125"	2518-521-3	2518-522-3	2518-523-3	2518-524-3	2518-500-3			X
0.10 mm	0.004" sq	2520-521-3	2520-522-3	2520-523-3	2520-524-3	2520-500-3	X		
0.15 mm	0.006" sq	2519-521-3	2519-522-3	2519-523-3	2519-524-3	2519-500-3	X		
0.20 mm	0.008" hex	2510-521-3	2510-522-3	2510-523-3	2510-524-3	2510-500-3		X	
0.40 mm	0.015" hex	2501-521-3	2501-522-3	2501-523-3	2501-524-3	2501-500-3		X	
0.50 mm	0.020" hex	25025-521-3	25025-522-3	25025-523-3	25025-524-3	25025-500-3		X	
0.60 mm	0.025" hex	2502-521-3	2502-522-3	2502-523-3	2502-524-3	2502-500-3		X	
0.80 mm	0.032" hex	2503-521-3	2503-522-3	2503-523-3	2503-524-3	2503-500-3		X	
1.00 mm	0.040" hex	2504-521-3	2504-522-3	2504-523-3	2504-524-3	2504-500-3		X	
1.60 mm	0.062" hex	2508-521-3	2508-522-3	2508-523-3	2508-524-3	2508-500-3		X	
2.50 mm	0.094" hex	2509-521-3	2509-522-3	2509-523-3	2509-524-3	2509-500-3		X	
3.00 mm	0.125" hex	25095-521-3	25095-522-3	25095-523-3	25095-524-3	25095-500-3		X	

Tolerance size particle/gauge: +/- 10 %

Product Data Sheet



The German spirit of quality since 1854



SiLigit Polyester Glitter Grade I Iris 500-3

First created on: 2009-01-02 Updated on: 2021-05-10
Next inspection on: 2021-12-31 Printed on: 2021-05-10

Version: V13/2021

Technical data: Specific weight: 1.32 kg/dm³
Bulk density: between 0.20 and 0.75 kg/dm³ - depending on particle size

Resistance:

Medium	Condition	Result
Temperature	up to 193 °C	resistant
MEK (Methyl Ethyl Ketone; 99%)	15 min.	resistant
Isopropanol (25%)	15 min.	resistant
Isopropanol (70%)	15 min.	resistant
Demineralized H ₂ O	3 months	resistant

Storage indication: Store in a dry manner in closed (original) container by room temperature.

Disposal information: There is no type of waste that occurs due to the product that requires special supervision according to (EU) No. 1357/2014 guideline.

Further information: Safety Data Sheet SiLigit Grade I Iris 500-3

Manufacturer / Supplier:

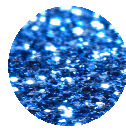
Sigmund Lindner GmbH
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Fax: +49-9277-99499
Web: www.sili.eu
E-Mail: sili@sili.eu

Company Sigmund Lindner GmbH has established a Quality Management System according to DIN EN ISO 9001 since 1997.

Responsible: Erwin Pschierer, Product Manager Glitter
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*Product trials and stability tests are always recommended and are the responsibility of the customer prior to production.
All data are reference values – subject to change without prior notice.*

Product Data Sheet



The German spirit of quality since 1854



SiLigit Polyester Glitter Grade I

First created on: 2010-09-13 Updated on: 2021-05-10
 Next inspection on: 2021-12-31 Printed on: 2021-05-10

Version: V13/2021

Trade name: Polyester Glitter Grade I

Application of product: Effect material for decoration and other products

Construction of the Article number:

Material	Size		Colour	Form
25	10	-	371-3	hex

Construction of Glitter particle:



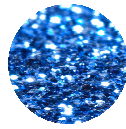
Chemical composition:

Name	Weight	CAS-No.	EG-No.	CI-No.	FDA/CFR
Solvent					
Solvent Yellow 93	belongs to Article; between 0-0.25%	4702-90-3	---	48160	---
Solvent Yellow 98		12671-74-8	---	56238	---
Solvent Orange 63		16294-75-0	---	68550	---
Hostasol Red 5B		522-75-8	---	73300	---
Solvent Red 52		81-39-0	---	68210	---
Solvent Red 135		20749-68-2	---	564120	---
Solvent Violet 13		81-48-1	---	60725	---
Solvent Blue 101		6737-68-4	---	615670	---
Pigment Green 7		1328-53-6	---	74260	---
Solvent Green 28		71839-01-5	---	625580	---
Polyethylene Terephthalate	≤ 75 %	25038-59-9	none	none	FDA Ref# 21 CFR 177.1630
Acrylates Copolymer	≤ 25 %	9010-88-2 or 9011-87-4	none	none	FDA Ref# 21 CFR 177.1010

Available sizes:

Size particle		Gauge/thickness 0.035 mm / 0.0014"	Form		
			sq	hex	rec
0.10 x 0.05 mm	0.004 x 0.002"	Art. 2525			X
0.20 x 0.10 mm	0.008 x 0.004"	Art. 2515			X
0.90 x 0.10 mm	0.035 x 0.004"	Art. 2516			X
1.60 x 0.30 mm	0.062 x 0.0125"	Art. 2517			X
3.10 x 0.20 mm	0.125 x 0.008"	Art. 2514			X
3.10 x 0.30 mm	0.125 x 0.0125"	Art. 2518			X
0.10 mm	0.004" sq	Art. 2520	X		
0.15 mm	0.006" sq	Art. 2519	X		
0.20 mm	0.008" hex	Art. 2510		X	
0.40 mm	0.015" hex	Art. 2501		X	
0.50 mm	0.020" hex	Art. 25025		X	
0.60 mm	0.025" hex	Art. 2502		X	
0.80 mm	0.032" hex	Art. 2503		X	
1.00 mm	0.040" hex	Art. 2504		X	
1.60 mm	0.062" hex	Art. 2508		X	
2.50 mm	0.094" hex	Art. 2509		X	
3.00 mm	0.125" hex	Art. 25095		X	
random		Art. 2550	irregular		

Tolerance size particle/gauge: +/- 10 %



SiLigit Polyester Glitter Grade I

First created on: 2010-09-13
Next inspection on: 2021-12-31

Updated on: 2021-05-10
Printed on: 2021-05-10

Version: V13/2021

Colours/Solvents:

Colours	CI-Number
371-3 neon yellow	56238
372-3 pastel yellow	48160
374-3 way to pink	73300
375-3 flamingo	73300
376-3 pastel pink	564120 68210
377-3 pastel red	564120 68210
378-3 dazzleberry	564120 68210 615670 60725
379-3 extreme danger	68550
381-3 lectric lime	56238 74260
382-3 pastel green	625580 48160
383-3 twilight blue	60725 615670
384-3 pastel blue	60725 615670
385-3 pastel purple	60725

Technical data:

Specific weight: 1.20 kg/dm³

Bulk density: between 0.20 and 0.75 kg/dm³ - depending on particle size

Resistance:

Medium	Condition	Result
Temperature	up to 100 °C	resistant
MEK (Methyl Ethyl Ketone; 99%)	15 min.	not resistant
Isopropanol (25%)	15 min.	resistant
Isopropanol (70%)	15 min.	resistant
Demineralized H ₂ O	3 months	resistant

Storage indication:

Store in a dry manner in closed (original) container by room temperature.

Disposal information:

There is no type of waste that occurs due to the product that requires special supervision according to (EU) No. 1357/2014 guideline.

Further information:

Safety Data Sheet SiLigit Grade I Iris neon-pastel -3

Manufacturer / Supplier:

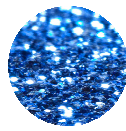
Sigmund Lindner GmbH
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Company Sigmund Lindner GmbH has established a Quality Management System according DIN EN ISO 9001 since 1997.

Responsible:

Erwin Pschierer, Product Manager Glitter
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Product Data Sheet



The German spirit of quality since 1854



SiLiglit Polyester Glitter Grade I

First created on: 2008-06-21 Updated on: 2021-08-18
 Next inspection on: 2021-12-31 Printed on: 2021-08-18 Version: V16/2021

Trade name: Polyester Glitter Grade I

Application of product: Effect material for aerosol, paint and coatings, decoration, and other products

Construction of the Article number:

Material	Size		Colour	Form
25	20	—	51-1	sq

Construction of Glitter particle:



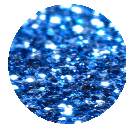
Chemical composition:

Name	Weight	CAS-No.	EG-No.	CI-No.	
Polyurethane Coating	4.5 %	125826-44-0	none	---	Polyurethane-33
Pigments					
Yellow 83	belongs to Article; between 0 - 3.0 %	5567-15-7	226-939-8	21108	
Red 190		6424-77-7	229-187-9	71140	
Blue 15		147-14-8	205-685-1	74160	
Red 88		14295-43-3	238-222-7	73312	
Red 122		980-26-7	213-561-3	73915	
White 14		7787-59-9	232-122-7	77163	
Black 7		1333-86-4	215-609-9	77266 (nano)	
Aluminum	0.5 %	7429-90-5	231-072-3	77000	
Polyethylene Terephthalate	92 - 95 %	25038-59-9	none	---	FDA Ref# 21 CFR 177.1630

Available sizes:

Size particle		Gauge / thickness			Form		
		0.013mm 0.0005"	0.025mm 0.0010"	0.055mm 0.0022"	■ sq	● hex	■ rec
0.10 x 0.05 mm	0.004 x 0.002"	Art 2525					X
0.20 x 0.10 mm	0.008 x 0.004"	Art 2515	Art. 25151				X
0.90 x 0.10 mm	0.035 x 0.004"		Art. 2516				X
1.60 x 0.30 mm	0.062 x 0.0125"		Art. 2517				X
3.10 x 0.30 mm	0.125 x 0.0125"		Art. 2518				X
0.05 mm	0.002" sq	Art. 2530			X		
0.075 mm	0.003" sq	Art. 2527			X		
0.10 mm	0.004" sq	Art. 2520	Art. 25201		X		
0.15 mm	0.006" sq		Art. 2519		X		
0.20 mm	0.008" hex		Art. 2510			X	
0.40 mm	0.015" hex		Art. 2501			X	
0.60 mm	0.025" hex		Art. 2502			X	
0.80 mm	0.032" hex		Art. 2503			X	
1.00 mm	0.040" hex		Art. 2504			X	
1.60 mm	0.062" hex		Art. 2508			X	
2.50 mm	0.094" hex		Art. 2509			X	

Product Data Sheet



The German spirit of quality since 1854



SiLigit Polyester Glitter Grade I

First created on: 2008-06-21
Next inspection on: 2021-12-31

Updated on: 2021-08-18
Printed on: 2021-08-18

Version: V16/2021

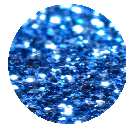
Size particle		Gauge / thickness			Form		
		0.013mm 0.0005"	0.025mm 0.0010"	0.055mm 0.0022"	■ sq	● hex	■ rec
1.50 mm	0.062"			Art. 259015	diamonds		
3.00 mm	0.125"			Art. 254030	hearts		
4.50 mm	0.175"			Art. 254045	hearts		
3.00 mm	0.125"			Art. 255030	stars		
4.50 mm	0.175"			Art. 255045	stars		
6.00 mm	0.250"			Art. 255060	stars		
3.00 mm	0.125"			Art. 257030	crescents		
3.00 mm	0.125"			Art. 258030	daisies		

Tolerance size particle/gauge: +/- 10 %

Colors / Pigments:

Colors	CI-Number
02-1 sand	21108 71140
04-1 bronze	21108 74160 71140 77266 73312
11H-1 transparent	without Pigment/Aluminum
13-1 marine	74160 73915
15-1 seagreen	74160 21108
16-1 ice blue	74160
17-1 blue teal	74160
21-1 river green	74160 21108
22-1 moss green	74160 21108
23-1 apple red	73312 71140 73915
31-1 blue gunmetal	74160 77266 73915
32-1 gunmetal	74160 77266
36-1 rose	73915 21108 77266
38-1 dusty rose	73915 74160
40-1 dark gold	21108 73915
42-1 apricot	21108 77266 73915
43-1 red gold	21108 71140
44-1 salmon	73915 21108
46-1 marigold	21108 71140
47-1 lavender	73915 74160
50-1 silver	without Pigment
51-1 gold	21108 71140 73915
52-1 red	73312 71140
53-1 green	74160 21108
54-1 blue	74160
55-1 aqua	74160 21108
56-1 purple	74160 73915
57-1 fuchsia	74160 73915
58-1 black	77266
59-1 copper	21108 71140 73312
61-1 light green	74160 21108
62-1 light blue	74160
66-1 white	77163 77891
67-1 multi	21108 71140 73915 73312 74160
75-1 light copper	21108 71140 73915

Product Data Sheet



The German
spirit of quality
since 1854



SiLigit Polyester Glitter Grade I

First created on: 2008-06-21
Next inspection on: 2021-12-31

Updated on: 2021-08-18
Printed on: 2021-08-18

Version: V16/2021

Colors / Pigments:

Colors		CI-Number			
77-1	bright orange	21108	71140		
78-1	orange	21108	71140		
81-1	chartreuse	21108	74160		
87-1	midnight green	74160	21108	77266	
89-1	cinnamon	21108	71140	73312	74160
90-1	crimson	73915	77266		
92-1	deep burgundy	73915	77266		
96-1	sky blue	74160			
101-1	garnet	73915	71140	73312	74160
102-1	plum	74160	73915		
107-1	canadian blue	74160			
108-1	navy blue	74160	77266		
109-1	western blue	74160			
110-1	regal red	73312	71140	73915	

Technical data:

Specific weight: 1.38 kg/dm³

Bulk density: between 0.25 and 0.60 kg/dm³ - depending on particle size

Resistance:

Medium	Condition	Result
Temperature (up to 230 °C)	1 min.	resistant
Temperature (up to 175 °C)	5 min.	resistant
MEK (Methyl Ethyl Ketone; 99%)	15 min.	resistant
Isopropanol (25%)	15 min.	resistant
Isopropanol (70%)	15 min.	resistant
Demineralized H ₂ O	3 months	resistant

Storage indication:

Store in a dry manner in closed (original) container by room temperature.

Disposal information:

There is no type of waste that occurs due to the product that requires special supervision according to (EU) No. 1357/2014 guideline.

Further information:

Safety Data Sheet SiLigit Grade I Poly-1

Manufacturer / Supplier:

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Fax: +49-9277-99499 E-Mail: sili@sili.eu

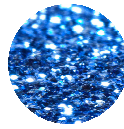
Company Sigmund Lindner GmbH has established a Quality Management System according to DIN EN ISO 9001 since 1997.

Responsible:

Erwin Pschierer, Product Manager Glitter
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Fax: +49-9277-99489
E-Mail: pschierer@sili.eu

*Product trials and stability tests are always recommended and are the responsibility of the customer prior to production.
All data are reference values – subject to change without prior notice.*

Product Data Sheet



The German spirit of quality since 1854



SiLiglit Polyester Glitter Grade I

First created on: 2011-04-07 Updated on: 2022-02-02
 Next inspection on: 2022-12-31 Printed on: 2022-02-02 Version: 29/2022

Trade name: Polyester Glitter Grade I

Application of product: Effect material for aerosol, paint and coatings, decoration, and other products

Construction of the Article number:

Material	Size		Colour	Form
25	20	—	51-3	sq

Construction of Glitter particle:



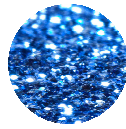
Chemical composition:

EU INCI Name	Weight	CAS-No.	EINECS
Polyurethane Coating	2.5 - 3.2 %	68258-82-2	none
Pigments / colorants			
CI 73915	depending on Article; between 0 - 1.3 %	980-26-7	213-561-3
CI 21108		5567-15-7	226-939-8
CI 74160		147-14-8	205-685-1
CI 74260		1328-53-6	215-524-7
CI 73312		14295-43-3	238-222-7
CI 77891		13463-67-7	236-675-5
CI 77266 (nano)		1333-86-4	215-609-9
CI 51319		6358-30-1	228-767-9
CI 77000	0.1 %	7429-90-5	231-072-3
Polyethylene Terephthalate	95.4 - 97.4 %	25038-59-9	none

Available sizes:

Size particle		Gauge / thickness			Form		
		0.013mm 0.0005"	0.025mm 0.0010"	0.075mm 0.0030"	■ sq	● hex	■ rec
0.075 x 0.05 mm	0.003 x 0.002"	Art 2529					X
0.10 x 0.05 mm	0.004 x 0.002"	Art 2525	Art. 25251				X
0.20 x 0.10 mm	0.008 x 0.004"	Art 2515	Art. 25151				X
0.90 x 0.10 mm	0.035 x 0.004"		Art. 2516				X
1.60 x 0.30 mm	0.062 x 0.0125"		Art. 2517				X
3.10 x 0.20 mm	0.125 x 0.008"		Art. 2514				X
3.10 x 0.30 mm	0.125 x 0.0125"		Art. 2518				X
0.10 mm	0.004" hex/sq	Art. 2520	Art. 25201		X	X	
0.15 mm	0.006" hex/sq		Art. 2519		X	X	
0.20 mm	0.008" hex		Art. 2510			X	
0.40 mm	0.015" hex		Art. 2501			X	
0.50 mm	0.020" hex		Art. 25025			X	
0.60 mm	0.025" hex		Art. 2502			X	
0.80 mm	0.032" hex		Art. 2503			X	
1.00 mm	0.040" hex		Art. 2504			X	
1.60 mm	0.062" hex		Art. 2508			X	

Product Data Sheet



The German spirit of quality since 1854



SiLigit Polyester Glitter Grade I

First created on: 2011-04-07
Next inspection on: 2022-12-31

Updated on: 2022-02-02
Printed on: 2022-02-02

Version: 29/2022

Size particle		Gauge / thickness			Form		
		0.013mm 0.0005"	0.025mm 0.0010"	0.075mm 0.0030"	■ sq	● hex	■ rec
2.50 mm	0.094" hex		Art. 2509		X		
3.00 mm	0.125" hex		Art. 25095		X		
2.00 mm	0.080"		Art 259020			diamonds	
3.00 mm	0.125"			Art 254030		hearts	
3.00 mm	0.125"			Art 255030		stars	
3.00 mm	0.125"			Art 256030		dots	
4.00 mm	0.156"			Art 258040		daisies	

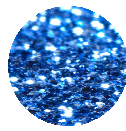
Colours / Pigments:

Colour	CI-Number
02-3 sand	73915 21108
04-3 bronze	73915 21108 74260
06-3 old rose	73915
11-3 transparent	without pigment/aluminium *)
13-3 marine blue	74160 51319
15-3 sea green	21108 74260
16-3 ice blue	21108 73915
17-3 blue teal	74160 51319 77266
21-3 cayman green	74160 74260
22-3 moos green	21108 74260
23-3 apple red	73915 74160
26-3 kelly green	74260 21108
31-3 blue gunmetal	74160 77266 51319
32-3 gunmetal	74160 77266
36-3 rose	73915 74160
38-3 dusty rose	73915
40-3 dark gold	73915 21108
42-3 apricot	73915 21108 77266
43-3 red gold	73915 21108
44-3 rose gold	73915 21108
46-3 marigold	73915 21108
47-3 lavender	51319
50-3 silver	without any pigment **)
51-3 gold	73915 21108
52-3 red	73915 21108
53-3 green	21108 74160
54-3 blue	74160
55-3 aqua	74260 74160
56-3 purple	51319
57-3 fuchsia	73312 74160
58-3 black	77266
59-3 copper	73915 21108
61-3 light green	21108 74260
62-3 light blue	74160 74260
67-3 multi	73915 21108 74160 74260 73312

*) chemical Composition: Polyethylene Terephthalate 96.8 – 97.5 % / Polyurethane 2.5 – 3.2 %

***) chemical Composition: Polyethylene Terephthalate 96.7 – 97.4 % / Aluminum 0.1 % / Polyurethane 2.5 – 3.2 %

Product Data Sheet



The German spirit of quality since 1854



SiLiglit Polyester Glitter Grade I

First created on: 2011-04-07
Next inspection on: 2022-12-31

Updated on: 2022-02-02
Printed on: 2022-02-02

Version: 29/2022

Colours / Pigments:

Colour	CI-Number
75-3 light copper	73915 21108
78-3 orange	73915 21108
79-3 dark green	21108 74260
81-3 chartreuse	21108 74260
86-3 nottingham forest	74260 74160 77266
87-3 midnight green	74260 77266
89-3 cinnamon	73915 21108 74260 77266
92-3 deep burgundy	73915 77266 51319
96-3 sky blue	74160
100-3 limette	74260 21108
102-3 plum	73915 74160 77266
105-3 peacock	74160 21108 74260
107-3 canadian blue	74160 51319 73915
108-3 navy blue	73915 74160 51319
109-3 western blue	74160 74260
110-3 regal red	73915 74160
111-3 yellow gold	73915 21108
112-3 deep gold	73915 21108
113-3 antique copper	73915 21108
114-3 firebrand	73915 51319
115-3 rust	73915 21108
116-3 blue indigo	73915 74160
118-3 pale gold	73915 21108
119-3 sunshine gold	73915 21108
196-3 sea spray	74260 74160

Technical data:

Specific weight: 1.38 kg/dm³
Bulk density: between 0.25 and 0.60 kg/dm³ - depending on particle size

Resistance:

Medium	Condition	Result
Temperature (up to 230 °C)	1 min.	resistant
Temperature (up to 175 °C)	5 min.	resistant
MEK (Methyl Ethyl Ketone; 99%)	15 min.	resistant
Isopropanol (25%)	15 min.	resistant
Isopropanol (70%)	15 min.	resistant
Demineralized H ₂ O	3 months	resistant
Exposure test according to DIN EN ISO 4892-2	1.000 hours (equal to 1 year Central European climate)	resistant *)
light fastness		

*) tested Pigments: CI 51319, CI 73915, CI 74160, CI 74260, CI 77266

Storage indication:

Store in a dry manner in closed (original) container by room temperature.

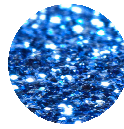
Disposal information:

There is no type of waste that occurs due to the product that requires special supervision according to (EU) No. 1357/2014 guideline.

Further information:

Sample card Polyester Glitter Grade I
Safety Data Sheet SiLiglit Grade I Poly-3 PU
Test Reports

Product Data Sheet



*The German
spirit of quality
since 1854*



SiLigit Polyester Glitter Grade I

First created on: 2011-04-07 Updated on: 2022-02-02
Next inspection on: 2022-12-31 Printed on: 2022-02-02

Version: 29/2022

Manufacturer / Supplier:

Sigmund Lindner GmbH
Oberwarmensteinacher Str. 38
95485 Warmensteinach
Germany
Phone: +49-9277-9940
Fax: +49-9277-99499
Web: www.sili.eu
E-Mail: info@sili.eu

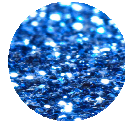
Company Sigmund Lindner GmbH has established a Quality Management System according to DIN EN ISO 9001 since 1997.

Responsible:

Erwin Pschierer, Product Manager Glitter
Phone: +49-9277-99483
Fax: +49-9277-99489
E-Mail: pschierer@sili.eu

*Product trials and stability tests are always recommended and are the responsibility of the customer prior to production.
All data are reference values – subject to change without prior notice.*

Product Data Sheet



The German spirit of quality since 1854



SiLigit Polyester Glitter Grade I opaque

First created on: 2018-03-21 Updated on: 2021-05-03
Next inspection on: 2021-12-31 Printed on: 2021-05-03

Version: V15/2021

SiLigit Polyester Glitter Grade I opaque

Application of product: Effect material for paint and coatings, decorative purposes, aerosols etc.

Chemical composition:

Component		EU INCI name	Content	CAS-No.
Polyurethane		Polyurethane-11	3 %	68258-82-2
Polyethylene Terephthalate		Polyethylene Terephthalate	74.7 %	25038-59-9
Barium Sulfate*)		Barium Sulfate	16 %	7727-43-7
Pigment White		CI 77891	5 %	13463-67-7
Colours:				
44P-3	opaque salmon	CI 73915	0.9 %	980-26-7
		CI 74160	0.4 %	147-14-8
54P-3	opaque royal blue	CI 73915	0.2 %	980-26-7
		CI 74160	0.7 %	147-14-8
		CI 51319	0.4 %	6358-30-1
55P-3	opaque turquoise	CI 21108	0.6 %	5567-15-7
		CI 74160	0.7 %	147-14-8
62P-3	opaque blue	CI 74160	1.3 %	147-14-8
65P-3	opaque green	CI 21108	0.8 %	5567-15-7
		CI 74260	0.5 %	1328-53-6
78P-3	opaque orange	CI 73915	0.7 %	980-26-7
		CI 21108	0.6 %	5567-15-7
81P-3	opaque yellow	CI 21108	1.3 %	5567-15-7

*) Barium Sulfate is not used as a pigment

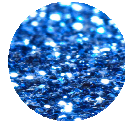
Construction of the Article number:

Material	Size		Colour		Coating / Film
25	10	—	54P	—	3hex

Technical data:

Thickness: 45 µm
Heat resistance: 175 °C (1 Minute)

Product Data Sheet



The German spirit of quality since 1854



SiLigit Polyester Glitter Grade I opaque

First created on: 2018-03-21 Updated on: 2021-05-03
Next inspection on: 2021-12-31 Printed on: 2021-05-03

Version: V15/2021

Available sizes:

Size particle		Item Number	Shape		
			■ sq	● hex	■ rec
0.20 x 0.10 mm	0.008 x 0.004"	Art. 25151			X
0.90 x 0.10 mm	0.035 x 0.004"	Art. 2516			X
0.90 x 0.20 mm	0.035 x 0.008"	Art. 25165			X
1.60 x 0.15 mm	0.062 x 0.006"	Art. 2513			X
1.60 x 0.30 mm	0.062 x 0.0125"	Art. 2517			X
1.60 x 0.40 mm	0.062 x 0.015"	Art. 25135			X
3.10 x 0.20 mm	0.125 x 0.008"	Art. 2514			X
3.10 x 0.30 mm	0.125 x 0.0125"	Art. 2518			X
3.10 x 1.60 mm	0.125 x 0.062"	Art. 25175			X
0.10 mm	0.004" hex/sq	Art. 25201	X	X	
0.15 mm	0.006" hex/sq	Art. 2519	X	X	
0.20 mm	0.008" hex/sq	Art. 2510	X	X	
0.40 mm	0.015" hex/sq	Art. 2501	X	X	
0.50 mm	0.020" hex/sq	Art. 25025	X	X	
0.60 mm	0.025" hex/sq	Art. 2502	X	X	
1.00 mm	0.040" hex/sq	Art. 2504	X	X	
1.60 mm	0.062" hex/sq	Art. 2508	X	X	
2.50 mm	0.094" hex/sq	Art. 2509	X	X	
3.00 mm	0.125" hex/sq	Art. 25095	X	X	

Storage indication:

Store in a dry manner in closed (original) container by room temperature. We recommend a processing within 30 months.

Disposal information:

There is no type of waste that occurs due to the product that requires special supervision according to (EU) No. 1357/2014 guideline.

Further information:

Sigmund Lindner GmbH has established a Quality Management System according to ISO 9001. The production of Cosmetic Glitter is certified according ISO 22716:2007 Cosmetics - Good Manufacturing Practices (GMP).

For any further information like test reports, shade card and MSDS please contact your product manager.

Manufacturer / Supplier:

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