

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

Responsible:
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Trade name: Polyester Glitter Grade III**Application of product:** Effect material decoration and other products**Construction of the Article number:**

Material	Size		Colour	Form
28	01	—	54-55	hex

Construction of Glitter particle:

	Pigment Coating by Epoxy Resin
	Aluminium Vaporisation
	Foil made of Polyethylene Terephthalate

Chemical composition :

Name	Weight	CAS-No.	EG-No. (EINECS)	CI-No.	FDA/CFR
Epoxy Resin*) high polymeric structure	5,0-10,0 %	---	---	none	
Solvent					
Solvent Yellow 82	depends on Article between 0,0 - 1,8%	12227-67-7	285-083-3	none	---
Solvent Orange 54		12237-30-8	none	none	---
Solvent Orange 62		52256-37-8	257-789-1	12714	---
Solvent Red 8		33270-70-1	none	12715	---
Solvent Red 49		509-34-2	none	45170:1	---
Solvent Red 122		12227-55-3	none	none	---
Solvent Red 127		61969-48-0	none	none	---
Solvent Red 218		82347-07-7	none	none	---
Solvent Blue 5		1325-86-6	none	42592:1	---
Solvent Blue 70		12237-24-0	none	none	---
Solvent Brown 43		61116-28-7	none	none	---
Solvent Black 28		12237-23-9	none	none	---
Fluorescent Pigm.		Not known	none	none	---
Aluminium		0,0 - 0,8 %	7429-90-5	231-072-3	77000
Polyethylene Terephthalate	90,0-95,0%	25038-59-9	none	---	FDA Ref# 21 CFR 177.1630

*) which are hardened after the production process, middle molecular weight > 700

Available sizes:

Size particle		Gauge / thickness			Form ● hex
		0,013 mm / 0.0005"	0,025 mm / 0.0010"	0,038 mm / 0.0015"	
0,10 mm	0.004" hex	Art. 2820 *)		Art. 28201	X
0,15 mm	0.006" hex			Art. 2819	X
0,20 mm	0.008" hex		Art. 28101 *)	Art. 2810	X
0,30 mm	0.012" hex			Art. 28015	X
0,40 mm	0.015" hex			Art. 2801	X
0,50 mm	0.020" hex			Art. 28025	X
0,60 mm	0.025" hex			Art. 2802	X
0,80 mm	0.032" hex			Art. 2803	X
1,00 mm	0.040" hex			Art. 2804	X
1,30 mm	0.052" hex			Art. 2806	X
2,00 mm	0.080" hex			Art. 28085	X
2,50 mm	0.094" hex			Art. 2809	X
3,00 mm	0.125" hex			Art. 28095	X

Tolerance size particle/gauge: +/- 10 %

*) only available by request

Colours / Solvents:

Colours	Solvents
02-55 sand	Solvent orange 54
03-55 magenta	Solvent red 49 Solvent red 122 Solvent red 218
04-55 bronze	Solvent brown 43 Solvent orange 62
05A-55 Hologram medium violet	Solvent red 218 Solvent blue 5 Solvent red 122
05-55 medium violet	Solvent red 218 Solvent blue 5 Solvent red 122
06-55 old rose	Solvent red 218 Solvent yellow 82 Solvent orange 62
11-55 transparent ^{1) 2)}	
15-55 sea green	Solvent blue 70 Solvent yellow 82
16-55 ice blue	Solvent blue 70 Solvent blue 5 Solvent yellow 82
22-55 moos green	Solvent blue 70 Solvent yellow 82
29-55 light pink	Solvent red 218
30-55 hot pink	Fluorescent pigment
31-55 blue gunmetal	Solvent black 28 Solvent blue 5
32-55 gunmetal	Solvent black 28 Solvent blue 70
35-55 violet	Solvent black 28 Solvent red 218 Solvent blue 5
36-55 rose	Solvent red 218
37-55 lilac	Solvent red 8 Solvent red 218 Solvent yellow 82
38-55 dusty rose	Solvent red 49 Solvent red 122 Solvent red 218
40-55 dark gold	Solvent yellow 82 Solvent orange 62
43-55 red gold	Solvent yellow 82 Solvent orange 62
44-55 salmon	Solvent red 8 Solvent red 218 Solvent yellow 82
47-55 lavender	Solvent red 218 Solvent blue 5 Solvent red 122
47A-55 Hologram lavender	Solvent red 218 Solvent blue 5 Solvent red 122
50-55 silver ¹⁾	
50A-55 Hologram silver ¹⁾	
51-55 gold	Solvent yellow 82 Solvent orange 62
51A-55 Hologram gold	Solvent yellow 82 Solvent orange 62
52-55 red	Solvent red 122 Solvent orange 62
52A-55 Hologram red	Solvent red 122 Solvent orange 62
53-55 green	Solvent yellow 82 Solvent blue 70
53A-55 Hologram green	Solvent yellow 82 Solvent blue 70

Colours / Solvents:

Colours	Pigments
54-55 blue	Solvent blue 5 Solvent blue 70 Solvent red 218
54A-55 Hologram blue	Solvent blue 5 Solvent blue 70 Solvent red 218
56-55 purple	Solvent blue 5 Solvent red 218 Solvent red 122
57-55 fuchsia	Solvent red 218 Solvent red 8 Solvent yellow 82
58-55 black	Solvent black 28 Solvent blue 70
59-55 copper	Solvent orange 62 Solvent brown 43 Solvent yellow 82
61-55 light green	Solvent blue 70 Solvent yellow 82
62-55 light blue	Solvent blue 70 Solvent blue 5 Solvent yellow 82
66-55 white ¹⁾	
67-55 multi	Solvent yellow 82 Solvent green 852 Solvent orange 62 Solvent red 218 Solvent red 8 Solvent red 122 Solvent blue 70 Solvent blue 5
74-55 brown	Solvent brown 43 Solvent red 122 Solvent black 28
75-55 light copper	Solvent red 122 Solvent orange 62 Solvent yellow 82
78-55 orange	Solvent red 122 Solvent orange 62 Solvent yellow 82
78A-55 Hologram orange	Solvent red 122 Solvent orange 62 Solvent yellow 82
80-55 dark blue	Solvent blue 70 Solvent blue 5
87-55 midnight green	Solvent brown 43 Solvent blue 70
89-55 cinnamon	Solvent black 28 Solvent blue 70
92-55 deep burgundy	Solvent red 49 Solvent red 122 Solvent red 218
96-55 sky blue	Solvent blue 5 Solvent yellow 82 Solvent blue 70
109-55 western blue	Solvent blue 5 Solvent yellow 82 Solvent red 218
111-55 yellow gold	Solvent yellow 82 Solvent orange 62
112-55 deep gold	Solvent yellow 82 Solvent orange 62
117-55 medium blue	Solvent blue 70 Solvent blue 5
118-55 pale gold	Solvent yellow 82 Solvent orange 62

¹⁾ without any Solvents

²⁾ Temperature up to 120 °C for 1 minute

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 Glitter silver Colour 50-55/50A-55	Result Glitter coloured
Temperature (up to 230 °C)	1 min.	resistant	resistant
Temperature (up to 175 °C)	5 min.	resistant	resistant
MEK (Methyl Ethyl Ketone; 99%)	15 min	not resistant	not resistant
Isopropanol (25%)	15 min.	partially resistant	partially resistant
Isopropanol (70%)	15 min.	partially resistant	partially resistant
Demineralized H ₂ O	3 months	not resistant	partially 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 III
 Safety Data Sheet SiLiglit Grade III Poly-55

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.