TECHNICAL DATA SHEET

.,	POLYFLEX PES	5-55-NT coarse s	structure Tribo/Coro-		
Version: 5	na silk gloss				
Description:	Low bake powder for indoor use based on polyester and epoxy resins. Gives silk gloss surfaces with coarse structure. Stabilized against overcuring and discolouration in directly gas fired ovens				
Applications:	Metal furniture, shelves elements, switch boards, lockers, machine casings, lampscasing, kitchen appliances and many more				
Colours:	Almost any colour with few limitations				
Surface:	Rough structure				
Gloss:	Visually silkgloss				
Powder properties:	Particle size distribution (HELOS H1708)	29 μm: 38 – 45 % 122 μm: 98 – 100 %			
	Density	$^{\prime}$ 1.4 – 1.7 g/cm 3 can vary depending on the colour; can be specified for each individual colour			
Material consumption:	g/m²	= density (g/cm³) x film thickness (μm)			
Coating thickness:	Recommended	80 – 100 depending on the colour tone (closer to 120 μm in the case of white)			
	Maximum	150 μm			
Packaging:			der coatings VR001D. To avoid surface		
Packaging:	- 20/25 kg cardboard box	t mixing this type of powder c	coating with other powder coatings.		
Packaging:	- 20/25 kg cardboard box - 500 kg Octobox	t mixing this type of powder c	coating with other powder coatings.		
Packaging:	- 20/25 kg cardboard box - 500 kg Octobox - 450/500 kg Big Bag		coating with other powder coatings.		
	- 20/25 kg cardboard box- 500 kg Octobox- 450/500 kg Big BagOther packaging variations		coating with other powder coatings.		
Packaging: Curing time:	 - 20/25 kg cardboard box - 500 kg Octobox - 450/500 kg Big Bag Other packaging variations a Recommended 	are available on request.	coating with other powder coatings.		
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	 - 20/25 kg cardboard box - 500 kg Octobox - 450/500 kg Big Bag Other packaging variations Recommended 10 min. at 160°C object tem 	are available on request. perature			
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	- 20/25 kg cardboard box - 500 kg Octobox - 450/500 kg Big Bag Other packaging variations a Recommended 10 min. at 160°C object tem Object temperature 200°C 180°C	are available on request. sperature Minutes hold time min 3 min 5 min	Minutes hold time max 6 min 10 min		
	- 20/25 kg cardboard box - 500 kg Octobox - 450/500 kg Big Bag Other packaging variations of the packaging variati	are available on request. Iperature Minutes hold time min 3 min 5 min 10 min 27 min rop coat, e.g. on a KTL primer.	Minutes hold time max 6 min 10 min 24 min		
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Mandrel bending test (DIN ISO 1519)	1) ≤ 5 mm			
Impact resistance (ASTM D 2794)	1) front	≥ 5 Nm	(~44 Inchpound)	
	1) reverse	≥ 5 Nm	(~44 Inchpound)	
Erichsen cupping (DIN ISO 1520)	1) ≥ 7 mm			
Tested on: Steel panel iron phospated				
Condensation water test (DIN ISO 6270)	500 h no blistering Infiltration on the scratch track under 1 mm			
Salt spray test (DIN ISO 9227	240 h no blistering Infiltration on the scratch track under 1 mm			
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For repairs (conveyors hangers touch ups) the repair kit, art. No 10006124 is available.				
Appropriate preliminary tests are recommended for printing, gluing, labeling, film lamination, overcoating and other post treatments. Suitable plasticizer free materials are to be used for the packaging. Avoid condensation.				
Storage instruction:	In the original containers, store in a cool and dry environment at max. 25 °C. No direct sun exposure.			
Shelf life:	18 months from the date of production under the mentioned conditions.			
Lower explosive limit	Please refer to the safety data sheet.			
Further information can be found in the safety data sheet and the CEPE brochures "safe powder coating guideline" and "results of the experimental toxicological studies on thermosetting powdercoatings".				
The information in this technical data sheet relative to the properties and application of the product concerned are made on hand of our knowledge, development and practical experience. Because of the multiple possible applications, it is impossible for us to present them all in detail. Our technical consultants are at your disposal for any question you might have. Furthermore, our general sales and delivery conditions apply. This technical data sheet is revised periodically. If necessary, our sales department will confirm the validity of this document.				
5/2/24				
	(DIN ISO 1519) Impact resistance (ASTM D 2794) Erichsen cupping (DIN ISO 1520) Tested on: Steel panel iron phosp Condensation water test (DIN ISO 6270) Salt spray test (DIN ISO 9227 - For repairs (conveyors han Appropriate preliminary te overcoating and other posp packaging. Avoid condens Storage instruction: Shelf life: Lower explosive limit Further information can be der coating guideline" and powdercoatings". The information in this technical made on hand of our knowledge it is impossible for us to present might have. Furthermore, our get ly. If necessary, our sales departners	Impact resistance (ASTM D 2794) 1) front 1) reverse	Impact resistance	

