

Product Information

VESTOSINT® 1184 white

Powder for coating systems

VESTOSINT 1184 white is a polyamide (nylon) 12 fine powder especially developed for mini coating of small metal parts, e.g. for corsetry. VESTOSINT 1184 white is a further development of VESTOSINT 1164 white and VESTOSINT 1174 white in respect of brightness and whiteness.

For information about processing VESTOSINT 1184, please follow the general recommendations in our brochure "VESTOSINT – Nylon 12–Coating–Powder."

For further information, please contact our experts in the department Market Development of the High Performance Polymers Business Line.

Powder Information

Property	Test method		Unit	VESTOSINT 1184 white
	international	national		
App. bulk density	ISO 60	DIN EN ISO 60	g/dm ³	≥ 400
Particle size distribution	< 32 µm			< 30
	< 63 µm	ISO 4610	DIN EN ISO 4610	> 75
	< 160 µm			≥ 99
Average particle size	d50	Laser diffraction analysis (Malvern Mastersizer)	µm	approx. 50

Application technology properties

Property	Test method		Unit	VESTOSINT 1184 white	
	international	national			
Melting point	ISO 3146	DIN EN ISO 3146	°C	176	
Density	23°C	ISO 1183	DIN EN ISO 1183	g/cm ³	1.06
Shore hardness D	ISO 868	DIN EN ISO 868		75	
Ball indentation hardness	H30	ISO 2039-1	DIN EN ISO 2039-1	N/mm ²	101
Water absorption	ISO 62	DIN EN ISO 62			
	100°C, immersion			%	1.65
Moisture absorption	ISO 62	DIN EN ISO 62			
	23°C, 96 % r. h.			%	1.2
	23°C, 50 % r. h.			%	0.5
Coef. of linear expansion	ISO 11359	DIN 53752			
	23-50°C			10 ⁻⁴ · K ⁻¹	1.04
Thermal conductivity		Referring to DIN 52612	W/m · K		0.22 - 0.27
Specific heat		DIN 53765	J/g · K		2.27
Taber abraser	ASTM D 1242	DIN 53 754	mg/100 turns		15

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