

VESTOSINT® 1184 white

Polyamide 12
Evonik Industries AG

Message:

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.

General Information			
Uses	Coating Applications		
Appearance	White		
Forms	Powder		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.06	g/cm ³	ISO 1183
Apparent Density	> 0.40	g/cm ³	ISO 60
Water Absorption			ISO 62
Saturation, 100°C ¹	1.7	%	
Saturation, 23°C ²	1.2	%	
Equilibrium, 23°C, 50% RH	0.50	%	
Average Particle Size ³	50	µm	
Particle Size Distribution			ISO 4610
< 32.0 µm	< 30.0	wt%	
< 63.0 µm	> 75.0	wt%	
< 160.0 µm	> 99.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	75		ISO 868
Ball Indentation Hardness ⁴	101	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Taber Abrasion Resistance (100 Cycles, 500 g, CS-17 Wheel)	< 1.00	mg	ASTM D1242
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	176	°C	ISO 3146
CLTE - Flow (23 to 55°C)	1.0E-4	cm/cm/°C	ISO 11359-2
Specific Heat	2270	J/kg/°C	DIN 53765
Thermal Conductivity	0.22 to 0.27	W/m/K	DIN 52612
NOTE			
1.	Immersion		
2.	96%RH		
3.	Laser diffraction analysis, d50		
4.	H30		

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