

VESTOSINT® 1401 white

Polyamide 12 fluidized bed coating powder

VESTOSINT 1401 white, a polyamide 12 fluidized bed coating powder, is most suitable for the coating of wire goods used in refrigeration. Its color "cold white" respects to the application field. Coatings of VESTOSINT 1401 do not yellow even after a longer service time. They are elastic in the cold, wear

resistant, scratch and cut resistant. Their low coefficient of friction facilitates the installation into cooling units.

For more information we recommend our brochure "VESTOSINT – Polyamide 12 Coating Powder".

For further information please contact our experts of the department Marketing Development of the High Performance Polymers Business Unit.

Powder Information

Property	Test method		Unit	VESTOSINT 1401 white
	international	national		
App. bulk density	ISO 60	DIN EN ISO 60	g/dm ³	≥ 500
Particle size distribution	< 32 µm			= 2
	< 100 µm	ISO 4610	DIN EN ISO 4610	≥ 45
	< 250 µm			100

Density, water absorption, thermal, mechanical and electrical properties

Property	Test method		Unit	VESTOSINT 1401 white
	international	national		
Melting point	ISO 3146		°C	176
Density	23 °C	ISO 1183	g/cm ³	1.06
Shore hardness D	ISO 868			75
Ball indentation hardness	H30	ISO 2039-1	N/mm ²	101
Volume resistivity	IEC 60093		Ω · m	10 ¹³
Dielectric breakdown voltage	IEC 60243-1			
	K20/P50		kV/mm	85
Water absorption	ISO 62			
	100 °C, immersion		%	1.65
Moisture absorption	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 – 55 °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 53754	mg/100 turns	15

® = registered trademark

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