



## Product Information

### **VESTOSINT® 1101 white** **Polyamide 12 fluidized bed coating powder**

VESTOSINT 1101 white is the standard fluidized bed coating powder based on polyamide 12. It is most suitable for the coating of wire goods.

**Powder Information**

Property	Test method		Unit	VESTOSINT 1101 white
	international	national		
App. bulk density	ISO 60	DIN EN ISO 60	g/dm <sup>3</sup>	≥ 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 1101 white	
	international	national			
Melting point	ISO 3146	DIN EN ISO 3146	°C	176	
Density	23 °C	ISO 1183	DIN EN ISO 1183	g/cm <sup>3</sup>	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 <sup>2</sup>	101
Volume resistivity	IEC 60093	DIN IEC 60093	Ω · m	10 <sup>13</sup>	
Dielectric breakdown voltage	IEC 60243-1	DIN EN 60243-1			
	K20/P50		kV/mm	85	
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 - 55 °C		10 <sup>-4</sup> · K <sup>-1</sup>	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	CS17, 500g	ASTM D 1242	DIN 53754	mg/100 turns	< 1