

Product Texts

VESTOSINT 2178 white is a titandioxid filled polyamide 12 fine powder for the use in liquid coating systems. It is used as an additive, for instance, in coil coating systems to improve abrasion resistance and T-bend test.

VESTOSINT 2178 white is also developed for electrostatic coating of metal parts, e.g. coating of components in the automotive industry.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	43	MPa	ISO 527
Yield strain	6	%	ISO 527
Strain at break	>50	%	ISO 527
Shore D hardness	75	-	ISO 7619-1
Ball indentation hardness	90	MPa	ISO 2039-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	184	°C	ISO 11357-1/-3
Coeff. of linear therm. expansion, parallel	109	E-6/K	ISO 11359-1/-2

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	1E12	Ohm*m	IEC 62631-3-1
Electric strength	90	kV/mm	IEC 60243-1

Other properties	Value	Unit	Test Standard
Humidity absorption	0.5	%	Sim. to ISO 62
Density	1230	kg/m ³	ISO 1183
Bulk density	380	kg/m ³	-

Characteristics

Processing

Coating

Applications

Automotive

Delivery form

Powder, White

Regional Availability

Europe

Certifications

Food contact