

**Product Texts**

VESTOSINT 2161 natural color is a PA 12, especially developed for electrostatic coating of metal parts, e.g. coating of components in the automotive industry.

VESTOSINT 2161 is also developed 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.

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Yield stress	<b>43</b>	MPa	ISO 527
Yield strain	<b>6</b>	%	ISO 527
Strain at break	<b>100</b>	%	ISO 527
Shore D hardness	<b>75</b>	-	ISO 7619-1
Ball indentation hardness	<b>90</b>	MPa	ISO 2039-1

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

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

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Humidity absorption	<b>0.5</b>	%	Sim. to ISO 62
Density	<b>1020</b>	kg/m <sup>3</sup>	ISO 1183
Bulk density	<b>300</b>	kg/m <sup>3</sup>	-

**Characteristics**

**Processing**

Coating

**Applications**

Automotive

**Delivery form**

Powder, Natural Color

**Regional Availability**

Europe

**Certifications**

Food contact