

**AV PA 6 STANDARD VISCOSITY**

<b>Physical &amp; Thermal</b>	<b>Method</b>	<b>Unit</b>	<b>Value</b>
Density	ISO 1183	g/cm <sup>3</sup>	1,14
Melting Point	DSC	°C	222
Mold Shrinkage (average)	ISO 294-4	%	1,2 - 1,6
Moisture Absorption (balance 23 °C / 50% HR) 24h	ISO 62	%	2,8 - 9,0
Vicat Softening Temperature A 9,8 N	ISO 306	°C	205
Heat Deflection Temperature 0,45 MPa	ISO 75-2	°C	175
Heat Deflection Temperature 1,81 MPa	ISO 75-2	°C	65
Continuous Service Temperature (without load)	IEC 60216	°C	80
Heat Resistance - Ball Pressure test	IEC 60695-10-2	°C	> 165

<b>Mechanical</b>	<b>Method</b>	<b>Unit</b>	<b>Value</b>
Tensile Strength at Yield	ISO 527	MPa	85
Tensile Modulus	ISO 527	MPa	3000
Tensile Strain at Yield	ISO 527	%	5
Tensile Strain at Break	ISO 527	%	40
Izod - Notched Impact Strength	ISO 180/A	kJ/m <sup>2</sup>	6
Izod - Unnotched Impact Strength	ISO 180/U	kJ/m <sup>2</sup>	NB

<b>Electrical &amp; Flame Retardancy</b>	<b>Method</b>	<b>Unit</b>	<b>Value</b>
Comparative Tracking Index (CTI)	IEC 60112	V	600
Volume Resistivity	IEC 60093	Ω*cm	1 E14
Flammability 3,0 - 1,5 - 0,8 mm	UL 94		V2 / V2 / V2
Glow Wire Flammability Index (GWT) GWFI / 2 mm	IEC 60695-2-12	°C	825
Glow Wire Ignition Temperature (GWT) GWIT / 2 mm	IEC 60695-2-13	°C	750

<b>Molding conditions (suggested)</b>	<b>Method</b>	<b>Unit</b>	<b>Value</b>
Drying Temperature		°C	80-90
Molding temperature		°C	225-260
Mold temperature		°C	70-90

Edizione del / Issue 30/10/2020