

**HITHOR L 646**

PA9T-CF30

MAIP SRL

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt flow index, MFI	<b>80</b>	g/10min	ISO 1133
Temperature	<b>320</b>	°C	-
Load	<b>2.16</b>	kg	-
Molding shrinkage, parallel	<b>0.3</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>0.7</b>	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>22000</b>	MPa	ISO 527
Stress at break	<b>230</b>	MPa	ISO 527
Strain at break	<b>2</b>	%	ISO 527
Flexural modulus, 23°C	<b>20000</b>	MPa	ISO 178
Flexural strength	<b>320</b>	MPa	ISO 178
Izod notched impact strength, +23°C	<b>7</b>	kJ/m <sup>2</sup>	ISO 180/1A
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>304</b>	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	<b>125</b>	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	<b>290</b>	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	<b>25</b>	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	<b>40</b>	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	<b>HB</b>	class	IEC 60695-11-10
Burning rate, FMVSS, Thickness 1 mm	<b>100</b>	mm/min	ISO 3795 (FMVSS 302)
Glow Wire Flammability Index (GWFI)	<b>750</b>	°C	IEC 60695-2-12
GWFI - thickness tested (1)	<b>2</b>	mm	-
<b>Electrical properties</b>			
<b>ISO Data</b>			
Volume resistivity	<b>0.1</b>	Ohm*m	IEC 62631-3-1
<b>Other properties</b>			
Density	<b>1310</b>	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>120</b>	°C	-
Pre-drying - Time	<b>4 - 8</b>	h	-
Processing humidity	<b>≤0.1</b>	%	-
Melt temperature	<b>315 - 335</b>	°C	-
Mold temperature	<b>135 - 145</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe

**Special Characteristics**

Increased electrical conductivity