

**HITHOR X 440/646**

PARA-CF50

MAIP SRL

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	15	g/10min	ISO 1133
Temperature	275	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.1	%	ISO 294-4, 2577
Molding shrinkage, normal	0.1	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	29500	MPa	ISO 527
Stress at break	280	MPa	ISO 527
Strain at break	1.2	%	ISO 527
Flexural modulus, 23°C	27300	MPa	ISO 178
Flexural strength	420	MPa	ISO 178
Charpy notched impact strength, +23°C	7.5	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact strength, +23°C	40	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	9.5	kJ/m <sup>2</sup>	ISO 180/1A
Rockwell hardness	R 127	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	238	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	85	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	230	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	235	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	10	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	40	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Burning rate, FMVSS, Thickness 1 mm	100	mm/min	ISO 3795 (FMVSS 302)
Glow Wire Flammability Index (GWFI)	750	°C	IEC 60695-2-12
GWFI - thickness tested (1)	3	mm	-

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Volume resistivity	10	Ohm*m	IEC 62631-3-1
Surface resistivity	10	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	1510	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	2 - 6	h	-
Processing humidity	≤0.08	%	-
Melt temperature	260 - 290	°C	-
Mold temperature	130 - 150	°C	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe

**Special Characteristics**

Increased electrical conductivity