

HIGLAS X 440/646

PARA-(GF+CF)

MAIP SRL

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.1	%	ISO 294-4, 2577
Molding shrinkage, normal	0.3	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Stress at break	250	MPa	ISO 527
Strain at break	2.5	%	ISO 527
Flexural modulus, 23°C	27800	MPa	ISO 178
Flexural strength	400	MPa	ISO 178
Izod notched impact strength, +23°C	9	kJ/m ²	ISO 180/1A
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	235	°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
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	-
Other properties			
Density	1510	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.12	%	-
Melt temperature	280 - 290	°C	-
Mold temperature	130 - 150	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

Europe