HIGLAS B FV65H FX

PA6-GF MAIP SRL

Processing/Physical Characteristics	dry / cond	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	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	**24000 / 15000**	MPa	ISO 527
Stress at break	**250 / 168**	MPa	ISO 527
Strain at break	**2 / -**	%	ISO 527
Flexural modulus, 23°C	**21000 / -**	MPa	ISO 178
Flexural strength	**400 / -**	MPa	ISO 178
Charpy notched impact strength, +23°C	**20 / -**	kJ/m²	ISO 179/1eA
Izod impact strength, +23°C	**95 / -**	kJ/m²	ISO 180/1U
Izod notched impact strength, +23°C	**21 / -**	kJ/m²	ISO 180/1A

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**222 / ***	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	**55 / ***	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	**210 / ***	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**220 / ***	°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)

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	**1E13 / -**	Ohm*m	IEC 62631-3-1

Other properties	dry / cond	Unit	Test Standard
Density	**1770 / -**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**4 - 20**	h	-
Processing humidity	**≤0.1**	%	-
Melt temperature	**265 - 290**	°C	-
Mold temperature	**60 - 100**	°C	-

Characteristics

Processing
Injection Molding

Regional Availability
Europe

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