

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	18.5	g/10min	ISO 1133
Temperature	300	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	13500	MPa	ISO 527
Stress at break	195	MPa	ISO 527
Strain at break	1.8	%	ISO 527
Charpy impact strength, +23°C	40	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	9.5	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	280	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	270	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	23	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	35	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.4	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	1E14	Ohm*m	IEC 62631-3-1

Other properties	Value	Unit	Test Standard
Water absorption	0.02	%	Sim. to ISO 62
Density	1640	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120 - 140	°C	-
Pre-drying - Time	4 - 8	h	-
Processing humidity	≤0.02	%	-
Melt temperature	320 - 340	°C	-
Mold temperature	140 - 180	°C	-
Injection pressure	<1	MPa	-

Characteristics

Processing

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Chemical Resistance

General Chemical Resistance

Applications

Aircraft and Aerospace, Automotive, Electrical and Electronical, Encapsulation

Regional Availability

Europe