

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	11000	MPa	ISO 527
Stress at break	195	MPa	ISO 527
Strain at break	1.9	%	ISO 527
Charpy impact strength, +23°C	60	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	11	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	281	°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			
ISO Data			
Volume resistivity	1E16	Ohm*m	IEC 62631-3-1
Electric strength	24	kV/mm	IEC 60243-1
Comparative tracking index	150	-	IEC 60112
Other properties			
Water absorption	0.02	%	Sim. to ISO 62
Density	1650	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	120 - 140	°C	-
Pre-drying - Time	4 - 8	h	-
Processing humidity	≤0.02	%	-
Melt temperature	310 - 335	°C	-
Mold temperature	140 - 160	°C	-
Injection pressure	<1	MPa	-

Characteristics

Processing

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Chemical Resistance

General Chemical Resistance, Hydrolytically Stable

Certifications

Food contact, Drinking water contact

Applications

Aircraft and Aerospace, Automotive, Electrical and Electronical, Encapsulation

Regional Availability

Europe