

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.1	%	ISO 294-4, 2577
Molding shrinkage, normal	0.2	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	12000	MPa	ISO 527
Stress at break	200	MPa	ISO 527
Strain at break	2.5	%	ISO 527
Izod impact strength, +23°C	95	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	70	kJ/m ²	ISO 180/1A
Izod notched impact strength Temperature	14 -30	kJ/m ² °C	ISO 180/1A -
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	263	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	255	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	260	°C	ISO 75-1/-2
Vicat softening temperature, B	255	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn. Thickness tested	1.6	mm	IEC 60695-11-10 -
Burning behav. at thickness h Thickness tested	0.8	mm	IEC 60695-11-10 -
Electrical properties			
ISO Data			
Volume resistivity	1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	1E13	Ohm	IEC 62631-3-2
Comparative tracking index	500	-	IEC 60112
Other properties			
Density	1450	kg/m ³	ISO 1183
Moisture Content	0.2	%	-
Processing Recommendation Injection Molding			
Pre-drying - Temperature	90 - 100	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.2	%	-
Melt temperature	260 - 290	°C	-
Mold temperature	70 - 110	°C	-
Zone 1	260 - 280	°C	-
Zone 2	260 - 280	°C	-
Zone 3	260 - 280	°C	-
Nozzle temperature	250 - 270	°C	-
Back pressure	50 - 100	MPa	-

Characteristics

Processing

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Delivery form

Pellets, Natural Color

Regional Availability

Europe, Near East/Africa