

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	31.5	cm ³ /10min	ISO 1133
Temperature	280	°C	-
Load	5	kg	-
Melt flow index, MFI	45	g/10min	ISO 1133
Temperature	280	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.8	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	9000	MPa	ISO 527
Tensile Strength	60	MPa	ISO 527
Strain at break	1.5	%	ISO 527
Charpy impact strength, +23°C	15	kJ/m ²	ISO 179/1eU

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	255	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	50	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	210	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	25	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	30	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10

Electrical properties	Value	Unit	Test Standard
Other Standards^[5]			
Volume resistivity	3.9E11	Ohm*m	IEC 61340-2-3
Surface resistivity	5E12	Ohm	IEC 61340-2-3

S: These properties are reported by the producer according standards that are different to our defaults.

Other properties	Value	Unit	Test Standard
Humidity absorption	1.5	%	Sim. to ISO 62
Density	1430	kg/m ³	ISO 1183
Bulk density	650	kg/m ³	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4 - 5	h	-
Mold temperature	100 - 150	°C	-
Zone 1	260 - 295	°C	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets, White

Special Characteristics

Thermally Conductive

Applications

Automotive, Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific, South and Central America