

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	20000	MPa	ISO 527
Stress at break	280	MPa	ISO 527
Strain at break	1.9	%	ISO 527
Flexural modulus, 23°C	19000	MPa	ISO 178
Flexural strength	400	MPa	ISO 178
Charpy impact strength, +23°C	68	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	11	kJ/m ²	ISO 179/1eA
ASTM Data			
Izod Impact notched, 1/8 in	110	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	850	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	237	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	230	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	15	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Yellow Card available	yes	-	-
Oxygen index	25	%	ISO 4589-1/-2

Electrical properties	Value	Unit	Test Standard
ISO Data			
Electric strength	31	kV/mm	IEC 60243-1
Comparative tracking index	570	-	IEC 60112
Other Standards^[5]			
Volume resistivity	1E11	Ohm*m	IEC 60093

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

Other properties	Value	Unit	Test Standard
Density	1640	kg/m ³	ISO 1183
Recycled resin content	50	%	-
Other Standards^[5]			
Water absorption	3.2	%	Producer Method
Humidity absorption	1.2	%	Producer Method

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

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	0.5 - 1.5	h	-
Melt temperature	280	°C	-
Mold temperature	120 - 140	°C	-
Zone 1	250 - 260	°C	-
Zone 2	260 - 290	°C	-
Nozzle temperature	260 - 290	°C	-

Characteristics

Processing

Injection Molding

Chemical Resistance

General Chemical Resistance

Delivery form

Pellets, Black

Special Characteristics

Sterilizable

Features

Creep Resistance, High Gloss

Certifications

Recycled Resin Content, RoHS compliant

Applications

Automotive, Electrical and Electronical, General Purpose, Medical, Sports Equipment

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa