

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	85	g/10min	ISO 1133
Temperature	280	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	14500	MPa	ISO 527
Tensile Strength	175	MPa	ISO 527
Strain at break	2	%	ISO 527
Charpy impact strength, +23°C	25	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	70	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	235	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	255	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	12	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	75	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^{S1}			
Volume resistivity	1300	Ohm*m	ISO 3915

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

Other properties	Value	Unit	Test Standard
Humidity absorption	0.1	%	Sim. to ISO 62
Density	1500	kg/m ³	ISO 1183
Bulk density	670	kg/m ³	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	3 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	270 - 280	°C	-
Mold temperature	130 - 160	°C	-
Zone 1	260 - 280	°C	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets, Black

Additives

Lubricants

Features

Tribologic Grade

Applications

Automotive

Regional Availability

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