

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	16	cm ³ /10min	ISO 1133
Temperature	380	°C	-
Load	5	kg	-
Melt flow index, MFI	20	g/10min	ISO 1133
Temperature	380	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	12500	MPa	ISO 527
Tensile Strength	155	MPa	ISO 527
Strain at break	1.8	%	ISO 527
Flexural modulus, 23°C	11200	MPa	ISO 178
Flexural strength	195	MPa	ISO 178
Charpy impact strength, +23°C	30	kJ/m ²	ISO 179/1eU

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	343	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	143	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	325	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	340	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	13	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	45	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10

Electrical properties	Value	Unit	Test Standard
Other Standards^[5]			
Volume resistivity	12000	Ohm*m	IEC 61340-2-3
Surface resistivity	14000	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	0.1	%	Sim. to ISO 62
Density	1500	kg/m ³	ISO 1183
Bulk density	630	kg/m ³	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	140 - 180	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	390 - 400	°C	-
Mold temperature	160 - 200	°C	-
Zone 1	360 - 400	°C	-

Characteristics

Processing

Injection Molding

Features

Tribologic Grade

Delivery form

Pellets, Black

Applications

Automotive

Additives

Lubricants

Regional Availability

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