

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.1	%	ISO 294-4, 2577
Molding shrinkage, normal	0.7	%	ISO 294-4, 2577
Thermal conductivity of melt	0.95	W/(m K)	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	28000	MPa	ISO 527
Stress at break	275	MPa	ISO 527
Strain at break	1.7	%	ISO 527
Flexural modulus, 23°C	23500	MPa	ISO 178
Flexural strength	400	MPa	ISO 178
Charpy impact strength, +23°C	45	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	6.5	kJ/m ²	ISO 179/1eA
Izod impact strength, +23°C	50	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	9	kJ/m ²	ISO 180/1A
Shore D hardness	88	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	373	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	152	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	368	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	5	E-6/K	ISO 11359-1/-2
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (1)	2	mm	-

Other properties	Value	Unit	Test Standard
Water absorption	0.5	%	Sim. to ISO 62
Density	1410	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120 - 150	°C	-
Pre-drying - Time	3 - 5	h	-
Processing humidity	≤0.02	%	-
Mold temperature	190 - 215	°C	-
Feed temperature	≤100	°C	-
Zone 1	380	°C	-
Zone 2	390	°C	-
Zone 3	395	°C	-
Zone 4	400	°C	-
Nozzle temperature	405	°C	-

Characteristics

Processing
Injection Molding

Delivery form
Pellets, Black

Features
Tribologic Grade

Chemical Resistance
General Chemical Resistance

Certifications
Food contact, Food approval 93/10/EC

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