

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	0.8	g/10min	ASTM D 1238
Temperature	400	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.001	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.015	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	26600	MPa	ISO 527
Yield stress	224	MPa	ISO 527
Strain at break	1.5	%	ISO 527
Flexural modulus, 23°C	25000	MPa	ISO 178
Izod impact strength, +23°C	39	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	8.5	kJ/m ²	ISO 180/1A

ASTM Data			
Tensile Modulus	22000	MPa	ASTM D 638
Tensile Strength	200	MPa	ASTM D 638
Elongation at Break	1.5	%	ASTM D 638
Compressive Strength	170	MPa	ASTM D 695
Flexural Modulus	19300	MPa	ASTM D 790
Flexural Strength	304	MPa	ASTM D 790
Rockwell Hardness	M 107	-	ASTM D 785
Izod Impact notched, 1/8 in	53	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
Melting Temperature	340	°C	ASTM D 3418
Glass Transition Temperature	150	°C	ASTM E 1356
Thermal Conductivity, solid state	0.049	W/(m K)	ASTM C 177

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.1	%	ASTM D 570
Density	1420	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	149	°C	-
Pre-drying - Time	4	h	-
Mold temperature	177 - 204	°C	-
Zone 1	366	°C	-
Zone 2	371	°C	-
Zone 3	377	°C	-
Nozzle temperature	382	°C	-

Characteristics

Processing

Injection Molding, Profile Extrusion

Delivery form

Pellets, Black

Special Characteristics

Flame retardant, Heat stabilized or stable to heat

Chemical Resistance

General Chemical Resistance

Applications

Automotive

Regional Availability

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