

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	3.5	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	0.005	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	18800	MPa	ASTM D 638
Tensile Strength	176	MPa	ASTM D 638
Elongation at Break	1.5	%	ASTM D 638
Compressive Strength	145	MPa	ASTM D 695
Flexural Modulus	16500	MPa	ASTM D 790
Flexural Strength	259	MPa	ASTM D 790
Izod Impact notched, 1/8 in	43	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	530	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
Melting Temperature	340	°C	ASTM D 3418
Glass Transition Temperature	158	°C	ASTM E 1356

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	-
Melt temperature	382 - 404	°C	-
Mold temperature	166 - 193	°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

Features

Fatigue Resistance

Chemical Resistance

General Chemical Resistance

Regional Availability

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