

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.018	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	46.9	MPa	ASTM D 638
Tensile Strength at Break	44.8	MPa	ASTM D 638
Elongation at Break	100	%	ASTM D 638
Flexural Modulus	1793	MPa	ASTM D 790
Izod Impact notched, 1/8 in	854	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	216	°C	ASTM D 648
DTUL @ 264 psi	71.1	°C	ASTM D 648
Melting Temperature	255	°C	ASTM D 3418

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	1.2	%	ASTM D 570
Density	1080	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	71.1	°C	-
Pre-drying - Time	4	h	-
Melt temperature	271 - 293	°C	-
Mold temperature	26.7 - 93.3	°C	-
Zone 1	254	°C	-
Zone 2	268	°C	-
Zone 3	285	°C	-
Nozzle temperature	266 - 282	°C	-
Screw speed	30 - 60	rpm	-
Injection pressure	68.9	MPa	-
Back pressure	0.0689 - 0.689	MPa	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets, Black

Additives

Lubricants

Special Characteristics

High impact or impact modified, Heat stabilized or stable to heat

Regional Availability

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