

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	19	cm ³ /10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-
Melt flow index, MFI	22	g/10min	ISO 1133

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	3100	MPa	ISO 527
Yield stress	71	MPa	ISO 527
Strain at break	30	%	ISO 527
Flexural modulus, 23°C	2900	MPa	ISO 178
^[C] Charpy notched impact strength, +23°C	8	kJ/m ²	ISO 179/1eA

ASTM Data

Tensile Strength	69	MPa	ASTM D 638
Elongation at Break	30	%	ASTM D 638
Flexural Modulus	2950	MPa	ASTM D 790
Flexural Strength	101	MPa	ASTM D 790
Rockwell Hardness	M 94	-	ASTM D 785
Taber Abrasion Resistance	13	mg/1000 cycles	ASTM D 1044
Izod Impact notched, 1/8 in	69	J/m	ASTM D 256

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	102	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	164	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	100	E-6/K	ISO 11359-1/-2

ASTM Data

Coefficient of Thermal Expansion, MD	100	E-6/K	ASTM D 696
DTUL @ 66 psi	172	°C	ASTM D 648
DTUL @ 264 psi	136	°C	ASTM D 648

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	18	kV/mm	ASTM D 149
Surface Resistivity	1E17	Ohm	ASTM D 257
Volume Resistivity	1E16	Ohm*cm	ASTM D 257
Arc Resistance	250	s	ASTM D 495

Other properties	Value	Unit	Test Standard
^[C] Density	1420	kg/m ³	ISO 1183
Water Absorption, 24hr	0.2	%	ASTM D 570
Density	1420	kg/m ³	ASTM D 792

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	190 - 210	°C	-
Mold temperature	60	°C	-

Characteristics**Processing**

Injection Molding, Other Extrusion

Delivery form

Pellets

Special Characteristics

U.V. stabilized or stable to weather

Features

Homopolymer

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