

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	1.5	cm ³ /10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-
Melt flow index, MFI	1.7	g/10min	ISO 1133
ASTM Data			
Melt Flow Index, MFI	1.7	g/10min	ASTM D 1238
Temperature	190	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.018	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.022	mm/mm	ASTM D 955

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	2800	MPa	ISO 527
Yield stress	68	MPa	ISO 527
Strain at break	50	%	ISO 527
Flexural modulus, 23°C	2500	MPa	ISO 178
^[C] Charpy notched impact strength, +23°C	15	kJ/m ²	ISO 179/1eA
ASTM Data			
Tensile Strength	65	MPa	ASTM D 638
Elongation at Break	55	%	ASTM D 638
Flexural Modulus	2600	MPa	ASTM D 790
Flexural Strength	92	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	128	J/m	ASTM D 256

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	97	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	163	°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, Equilibrium	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, Profile Extrusion, Sheet Extrusion, Other Extrusion

Delivery form

Pellets

Special Characteristics

U.V. stabilized or stable to weather

Features

Homopolymer

Applications

Automotive

Regional Availability

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