

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	30	g/10min	ISO 1133
Temperature	380	°C	-
Load	2.16	kg	-
ASTM Data			
Melt Flow Index, MFI	30	g/10min	ASTM D 1238
Temperature	380	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Tensile Modulus	2800	MPa	ISO 527
Yield stress	88	MPa	ISO 527
Yield strain	6.7	%	ISO 527
Flexural modulus, 23°C	2750	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	7.7	kJ/m ²	ISO 179/1eA
Izod impact strength, +23°C	N	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	6.4	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	2650	MPa	ASTM D 638
Tensile Strength	82.7	MPa	ASTM D 638
Elongation at Yield	6.5	%	ASTM D 638
Flexural Modulus	2900	MPa	ASTM D 790
Flexural Strength	111	MPa	ASTM D 790
Izod Impact notched, 1/8 in	85	J/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	213	°C	ISO 75-1/-2
Vicat softening temperature, A	217	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
ASTM Data			
Coefficient of Thermal Expansion, MD	49	E-6/K	ASTM D 696
DTUL @ 264 psi	204	°C	ASTM D 648
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	15	kV/mm	ASTM D 149
Dissipation Factor, 60 Hz	0.0017	-	ASTM D 150
Dissipation Factor, 1 MHz	0.0056	-	ASTM D 150
Dielectric Constant, 60 Hz	3.51	-	ASTM D 150
Dielectric Constant, 1 MHz	3.54	-	ASTM D 150
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257
Other properties			
Density	1370	kg/m ³	ISO 1183
Water Absorption, 24hr	0.54	%	ASTM D 570
Density	1370	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	177	°C	-
Pre-drying - Time	2.5	h	-
Melt temperature	343 - 385	°C	-
Mold temperature	138 - 163	°C	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets, Black

Special Characteristics

Heat stabilized or stable to heat

Features

Creep Resistance, Thermal Stability

Applications

Automotive, Electrical and Electronical

Regional Availability

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