

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	1	g/10min	ASTM D 1238
Temperature	400	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.009	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.013	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	3900	MPa	ISO 527
Yield stress	91	MPa	ISO 527
Yield strain	4.5	%	ISO 527
Strain at break	25	%	ISO 527
Flexural modulus, 23°C	3800	MPa	ISO 178
Izod impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	7	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Modulus	3700	MPa	ASTM D 638
Tensile Strength	89	MPa	ASTM D 638
Elongation at Yield	5	%	ASTM D 638
Elongation at Break	25	%	ASTM D 638
Compressive Strength	112	MPa	ASTM D 695
Flexural Modulus	3700	MPa	ASTM D 790
Flexural Strength	141	MPa	ASTM D 790
Rockwell Hardness	M 95	-	ASTM D 785
Izod Impact notched, 1/8 in	80	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
Melting Temperature	340	°C	ASTM D 3418
Glass Transition Temperature	150	°C	ASTM E 1356
Limiting Oxygen Index	40	%	ASTM D 2863
<b>Electrical properties</b>			
<b>ASTM Data</b>			
Dielectric Strength, Short Time	19	kV/mm	ASTM D 149
Dissipation Factor, 60 Hz	0.001	-	ASTM D 150
Dissipation Factor, 1 MHz	0.004	-	ASTM D 150
Dielectric Constant, 60 Hz	3.12	-	ASTM D 150
Dielectric Constant, 1 MHz	3.06	-	ASTM D 150
Surface Resistivity	>1E15	Ohm	ASTM D 257
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257
<b>Other properties</b>			
Water Absorption, 24hr	0.1	%	ASTM D 570
Density	1320	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	149	°C	-
Pre-drying - Time	4	h	-
Mold temperature	177 - 204	°C	-
Zone 1	354	°C	-
Zone 2	366	°C	-
Zone 3	371	°C	-
Nozzle temperature	374	°C	-

**Characteristics****Processing**

Injection Molding, Fiber Extrusion, Film Extrusion, Profile Extrusion, Wire/Cable Extrusion, Blow Molding, Thermoforming

**Delivery form**

Pellets

**Special Characteristics**

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

**Chemical Resistance**

General Chemical Resistance, Oil Resistance

**Applications**

Aircraft and Aerospace, Automotive, Electrical and Electronical, Medical

**Regional Availability**

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