

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	6	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
Value	Unit	Test Standard	
<b>ISO Data</b>			
Stress at break	72	MPa	ISO 527
Charpy notched impact strength, +23°C	55	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	88	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Modulus	2410	MPa	ASTM D 638
Tensile Strength at Yield	60	MPa	ASTM D 638
Tensile Strength at Break	72.4	MPa	ASTM D 638
Elongation at Yield	6	%	ASTM D 638
Elongation at Break	150	%	ASTM D 638
Flexural Modulus	2410	MPa	ASTM D 790
Flexural Strength	96.5	MPa	ASTM D 790
Rockwell Hardness	R 118	-	ASTM D 785
Izod Impact notched, 1/8 in	910	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	N	J/m	ASTM D 256
<b>Thermal properties</b>			
Value	Unit	Test Standard	
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	122	°C	ISO 75-1/-2
Vicat softening temperature, B	148	°C	ISO 306
Burning behav. at thickness h	V-2	class	IEC 60695-11-10
Thickness tested	3.2	mm	-
Oxygen index	26	%	ISO 4589-1/-2
<b>ASTM Data</b>			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	1.59	mm	-
Coefficient of Thermal Expansion, MD	68	E-6/K	ASTM D 696
<b>Electrical properties</b>			
Value	Unit	Test Standard	
<b>ISO Data</b>			
Electric strength	17	kV/mm	IEC 60243-1
<b>ASTM Data</b>			
Dielectric Strength, Short Time	17	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.002	-	ASTM D 150
Dielectric Constant, 60 Hz	3	-	ASTM D 150
Dielectric Constant, 1 MHz	3	-	ASTM D 150
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257
<b>Optical properties</b>			
Value	Unit	Test Standard	
<b>ASTM Data</b>			
Haze	1	%	ASTM D 1003
Light Transmittance	89	%	ASTM D 1003
Index of Refraction	1.59	-	ASTM D 542
<b>Other properties</b>			
Value	Unit	Test Standard	
Water Absorption, 24hr	0.15	%	ASTM D 570
Water Absorption, Equilibrium	0.32	%	ASTM D 570
Density	1200	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Special Characteristics**

High impact or impact modified, U.V. stabilized or stable to weather, Heat stabilized or stable to heat, Transparent

**Regional Availability**

North America

**Applications**

Automotive, Electrical and Electronical