

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	10	g/10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
<b>ASTM Data</b>			
Melt Flow Index, MFI	10	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>			
<b>ISO Data</b>			
Tensile Modulus	2300	MPa	ISO 527
Yield stress	60	MPa	ISO 527
Yield strain	6	%	ISO 527
Stress at break	71	MPa	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	2400	MPa	ISO 178
Charpy notched impact strength, +23°C	35	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	90	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Modulus	2413	MPa	ASTM D 638
Tensile Strength at Yield	60	MPa	ASTM D 638
Tensile Strength at Break	71	MPa	ASTM D 638
Elongation at Yield	6	%	ASTM D 638
Elongation at Break	150	%	ASTM D 638
Flexural Modulus	2413	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	907	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	N	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	125	°C	ISO 75-1/-2
Vicat softening temperature, B	149	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
Burning behav. at thickness h	HB	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	HB	-	UL 94
Thickness tested	1.59	mm	-
Coefficient of Thermal Expansion, MD	68.4	E-6/K	ASTM D 696
DTUL @ 264 psi	128	°C	ASTM D 648
Vicat Temperature	149	°C	ASTM D 1525
<b>Electrical properties</b>			
<b>ISO Data</b>			
Electric strength	17	kV/mm	IEC 60243-1
Comparative tracking index	250	-	IEC 60112
<b>ASTM Data</b>			
Dielectric Strength, Short Time	16.5	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.002	-	ASTM D 150

Dielectric Constant, 60 Hz	<b>3</b>	-	ASTM D 150
Dielectric Constant, 1 MHz	<b>3</b>	-	ASTM D 150
Volume Resistivity	<b>&gt;1E15</b>	Ohm*cm	ASTM D 257

<b>Optical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Haze	<b>1</b>	%	ASTM D 1003
Light Transmittance	<b>89</b>	%	ASTM D 1003
Index of Refraction	<b>1.59</b>	-	ASTM D 542

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Humidity absorption	<b>0.32</b>	%	Sim. to ISO 62
Density	<b>1200</b>	kg/m <sup>3</sup>	ISO 1183
Water Absorption, 24hr	<b>0.15</b>	%	ASTM D 570
Water Absorption, Equilibrium	<b>0.32</b>	%	ASTM D 570
Density	<b>1200</b>	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

**Regional Availability**

North America

**Applications**

IT / Business Machine, Electrical and Electronical, Packaging