

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.0035	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Strength	265	MPa	ISO 527
Flexural modulus	11800	MPa	ISO 178
Flexural strength	359	MPa	ISO 178
Charpy impact strength, +23°C	80	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	35	kJ/m <sup>2</sup>	ISO 179/1eA
Rockwell hardness	R 122	-	ISO 2039-2
<b>ASTM Data</b>			
Tensile Modulus	17400	MPa	ASTM D 638
Tensile Strength	235	MPa	ASTM D 638
Flexural Modulus	15200	MPa	ASTM D 790
Flexural Strength	330	MPa	ASTM D 790
Rockwell Hardness	R 122	-	ASTM D 785
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	222	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	215	°C	ISO 75-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
DTUL @ 264 psi	215	°C	ASTM D 648
Melting Temperature	222	°C	ASTM D 3418
<b>Electrical properties</b>			
<b>ISO Data</b>			
Relative permittivity, 1MHz	3.7	-	IEC 62631-2-1
Dissipation factor, 1MHz	0.01	E-4	IEC 62631-2-1
Volume resistivity	1E15	Ohm*m	IEC 62631-3-1
Electric strength	35	kV/mm	IEC 60243-1
<b>ASTM Data</b>			
Dielectric Strength, Short Time	22	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.02	-	ASTM D 150
Dielectric Constant, 1 MHz	3.8	-	ASTM D 150
Volume Resistivity	1E15	Ohm*cm	ASTM D 257
<b>Other properties</b>			
Water absorption	0.5	%	Sim. to ISO 62
Density	1530	kg/m <sup>3</sup>	ISO 1183
Water Absorption, 24hr	0.9	%	ASTM D 570
Density	1560	kg/m <sup>3</sup>	ASTM D 792

**Characteristics**

**Special Characteristics**

High impact or impact modified

**Features**

Creep Resistance, Long fiber reinforced

**Applications**

Automotive, Electrical and Electronical

**Regional Availability**

North America, Asia Pacific