

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	0.8	g/10min	ISO 1133
Temperature	230	°C	-
Load	3.8	kg	-
Spec. heat capacity of melt	2090	J/(kg K)	-
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Strength	38	MPa	ISO 527
Strain at break	40	%	ISO 527
Flexural modulus, 23°C	1700	MPa	ISO 178
Charpy impact strength, +23°C	60	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	7	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	6.3	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Rockwell Hardness	M 46	-	ASTM D 785
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	88	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	93	°C	ISO 75-1/-2
Vicat softening temperature, B	100	°C	ISO 306
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	100	E-6/K	ASTM D 696
<b>Electrical properties</b>			
<b>ASTM Data</b>			
Dielectric Strength, Short Time	15	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.04	-	ASTM D 150
Dielectric Constant, 60 Hz	3.9	-	ASTM D 150
Surface Resistivity	1E14	Ohm	ASTM D 257
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257
<b>Optical properties</b>			
<b>ASTM Data</b>			
Haze	2	%	ASTM D 1003
Light Transmittance	90	%	ASTM D 1003
<b>Other properties</b>			
Humidity absorption	0.36	%	Sim. to ISO 62
Density	1150	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	85	°C	-
Pre-drying - Time	4	h	-
Melt temperature	235 - 245	°C	-
Mold temperature	80 - 90	°C	-

## Characteristics

**Processing**

Injection Molding

**Special Characteristics**

High impact or impact modified, Heat stabilized or stable to heat, Transparent

**Regional Availability**

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