

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	14.5	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	0.004	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Strength	65	MPa	ISO 527
Strain at break	5	%	ISO 527
Flexural modulus, 23°C	3100	MPa	ISO 178
Charpy impact strength, +23°C	11	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	2	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	1.8	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Rockwell Hardness	M 89	-	ASTM D 785
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	77	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	82	°C	ISO 75-1/-2
Vicat softening temperature, B	90	°C	ISO 306
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	70	E-6/K	ASTM D 696
<b>Electrical properties</b>			
<b>ASTM Data</b>			
Dielectric Strength, Short Time	19.7	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.04	-	ASTM D 150
Dielectric Constant, 60 Hz	3.7	-	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	0.5	%	ASTM D 1003
Light Transmittance	92	%	ASTM D 1003
<b>Other properties</b>			
Humidity absorption	0.3	%	Sim. to ISO 62
Density	1180	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Melt temperature	200	°C	-
Mold temperature	50 - 60	°C	-

## Characteristics

**Processing**

Injection Molding

**Special Characteristics**

Heat stabilized or stable to heat, Transparent

**Regional Availability**

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