

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	17	g/10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	1.3	%	ISO 294-4, 2577
Molding shrinkage, normal	1.8	%	ISO 294-4, 2577
<b>ASTM Data</b>			
Melt Flow Index, MFI	17	g/10min	ASTM D 1238
Temperature	190	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.009	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Strength	80	MPa	ISO 527
Strain at break	2.5	%	ISO 527
Flexural modulus, 23°C	7200	MPa	ISO 178
Charpy notched impact strength, +23°C	3	kJ/m <sup>2</sup>	ISO 179/1eA
Rockwell hardness	M 96	-	ISO 2039-2
<b>ASTM Data</b>			
Tensile Strength	85	MPa	ASTM D 638
Elongation at Break	7.5	%	ASTM D 638
Flexural Modulus	6500	MPa	ASTM D 790
Flexural Strength	140	MPa	ASTM D 790
Rockwell Hardness	M 96	-	ASTM D 785
Izod Impact notched, 1/8 in	40	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	166	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	125	°C	ISO 75-1/-2
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.8	mm	-
Coefficient of Thermal Expansion, MD	35	E-6/K	ASTM D 696
DTUL @ 66 psi	163	°C	ASTM D 648
DTUL @ 264 psi	158	°C	ASTM D 648
Melting Temperature	166	°C	ASTM D 3418
<b>Electrical properties</b>			
<b>ISO Data</b>			
Volume resistivity	1E12	Ohm*m	IEC 62631-3-1
Surface resistivity	>1E15	Ohm	IEC 62631-3-2
Electric strength	19	kV/mm	IEC 60243-1
<b>ASTM Data</b>			
Dielectric Strength, Short Time	19	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.006	-	ASTM D 150
Surface Resistivity	>1E15	Ohm	ASTM D 257
Volume Resistivity	1E14	Ohm*cm	ASTM D 257
<b>Other properties</b>			
Density	1590	kg/m <sup>3</sup>	ISO 1183
Water Absorption, 24hr	0.23	%	ASTM D 570
Density	1590	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	<b>80 - 90</b>	°C	-
Pre-drying - Time	<b>3</b>	h	-
Melt temperature	<b>≤220</b>	°C	-
Mold temperature	<b>60 - 80</b>	°C	-
Zone 1	<b>180</b>	°C	-
Zone 2	<b>190</b>	°C	-
Zone 3	<b>190</b>	°C	-
Nozzle temperature	<b>200</b>	°C	-

### Characteristics

#### Processing

Injection Molding

#### Applications

Automotive

#### Features

Tribologic Grade

#### Regional Availability

North America, Asia Pacific