

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.003	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.011	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	11200 / 8700	MPa	ISO 527
Stress at break	210 / 150	MPa	ISO 527
Strain at break	3 / 6	%	ISO 527
Flexural modulus, 23°C	9500 / 6800	MPa	ISO 178
Charpy notched impact strength, +23°C	14 / 17	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	10 / 10	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact strength, +23°C	80 / 90	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	12 / 15	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength	10 / 10	kJ/m <sup>2</sup>	ISO 180/1A
Temperature	-30	°C	-
Rockwell hardness	R 125	-	ISO 2039-2
<b>Thermal properties</b>			
	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	262 / *	°C	ISO 11357-1/-3
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
DTUL @ 66 psi	255	°C	ASTM D 648
DTUL @ 264 psi	251	°C	ASTM D 648
<b>Electrical properties</b>			
	dry / cond	Unit	Test Standard
<b>ASTM Data</b>			
Volume Resistivity	1E15 / -	Ohm*cm	ASTM D 257
<b>Other properties</b>			
	dry / cond	Unit	Test Standard
Water absorption	5.5 / *	%	Sim. to ISO 62
Density	1400 / -	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
	Value	Unit	Test Standard
Pre-drying - Temperature	90	°C	-
Pre-drying - Time	3	h	-
Melt temperature	280 - 295	°C	-
Mold temperature	70 - 120	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Black

**Special Characteristics**

Heat stabilized or stable to heat

**Chemical Resistance**

Hydrolytically Stable

**Applications**

Automotive

**Regional Availability**

North America, Europe, South and Central America