

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	1.8 / *	%	ISO 294-4, 2577
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.018	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Yield stress	68 / -	MPa	ISO 527
Strain at break	30 / -	%	ISO 527
Flexural modulus, 23°C	2250 / -	MPa	ISO 178
Izod notched impact strength, +23°C	17 / -	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Strength at Yield	67.6 / 46.2	MPa	ASTM D 638
Elongation at Break	40 / 130	%	ASTM D 638
Flexural Modulus	2170 / 896	MPa	ASTM D 790
Flexural Strength	75.8 / 34.5	MPa	ASTM D 790
Rockwell Hardness	R 114 / R 94	-	ASTM D 785
Izod Impact notched, 1/8 in	160 / 210	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	73 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	211 / *	°C	ISO 75-1/-2
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.5	mm	-
Coefficient of Thermal Expansion, MD	110	E-6/K	ASTM D 696
DTUL @ 66 psi	228	°C	ASTM D 648
DTUL @ 264 psi	71	°C	ASTM D 648
<b>Electrical properties</b>			
<b>ASTM Data</b>			
Dielectric Strength, Short Time	21 / -	kV/mm	ASTM D 149
Volume Resistivity	>1E15 / 1E13	Ohm*cm	ASTM D 257
<b>Other properties</b>			
Density	1100 / -	kg/m <sup>3</sup>	ISO 1183
Water Absorption, 24hr	1.2	%	ASTM D 570
Density	1100	kg/m <sup>3</sup>	ASTM D 792

## Characteristics

### Processing

Injection Molding

### Delivery form

Pellets, Black, Natural Color

### Additives

Lubricants

### Special Characteristics

Heat stabilized or stable to heat

### Applications

Automotive

### Regional Availability

North America