

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.006	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	16800 / -	MPa	ISO 527
Stress at break	263 / -	MPa	ISO 527
Strain at break	2.7 / -	%	ISO 527
Flexural modulus, 23°C	15900 / -	MPa	ISO 178
Flexural modulus	4900 / -	MPa	ISO 178
Flexural modulus temperature	175	°C	-
Charpy impact strength, +23°C	92 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	10 / -	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact strength, +23°C	61 / -	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	10 / -	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Modulus	17200 / 17200	MPa	ASTM D 638
Tensile Strength	259 / 228	MPa	ASTM D 638
Elongation at Break	2.6 / 2.1	%	ASTM D 638
Compressive Strength	194 / -	MPa	ASTM D 695
Flexural Modulus	13800 / 13800	MPa	ASTM D 790
Flexural Strength	363 / 294	MPa	ASTM D 790
Rockwell Hardness	R125 /	-	ASTM D 785
Izod Impact notched, 1/8 in	110 / 100	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	1100 / -	J/m	ASTM D 256
<b>Thermal properties</b>			
	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	310 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	281 / *	°C	ISO 75-1/-2
Burning behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	3.2 / *	mm	-
<b>Electrical properties</b>			
	dry / cond	Unit	Test Standard
<b>ASTM Data</b>			
Dielectric Strength, Short Time	23 / 23	kV/mm	ASTM D 149
Dissipation Factor, 60 Hz	0.005 / 0.009	-	ASTM D 150
Dissipation Factor, 1 MHz	0.016 / 0.021	-	ASTM D 150
Dielectric Constant, 60 Hz	4.6 / 4.9	-	ASTM D 150
Dielectric Constant, 1 MHz	4.4 / 4.5	-	ASTM D 150
Volume Resistivity	0 / >1E15	Ohm*cm	ASTM D 257
Arc Resistance	145 / 125	s	ASTM D 495
<b>Other properties</b>			
	dry / cond	Unit	Test Standard
Density	1590 / -	kg/m <sup>3</sup>	ISO 1183
Water Absorption, 24hr	0.12	%	ASTM D 570
<b>Processing Recommendation Injection Molding</b>			
	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4.5	h	-
Processing humidity	≤0.045	%	-
Melt temperature	321 - 343	°C	-
Mold temperature	135	°C	-
Zone 1	304 - 318	°C	-
Zone 2	316 - 329	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets, Black, Natural Color

**Special Characteristics**

Heat stabilized or stable to heat

**Features**

Creep Resistance

**Chemical Resistance**

General Chemical Resistance

**Applications**

Automotive, IT / Business Machine, Electrical and Electronical

**Regional Availability**

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