

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	1.6 / *	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	2800 / 1200	MPa	ISO 527
Yield strain	5 / 12	%	ISO 527
Strain at break	50 / 200	%	ISO 527
Flexural modulus, 23°C	2900 / 1100	MPa	ISO 178
Flexural strength	105 / 60	MPa	ISO 178
Charpy impact strength, +23°C	N / N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	4 / 9	kJ/m ²	ISO 179/1eA
Izod impact strength, +23°C	N / N	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	3.5 / 9	kJ/m ²	ISO 180/1A
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	252 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	79 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	180 / *	°C	ISO 75-1/-2
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Electrical properties			
ISO Data			
Electric strength	25 / 22	kV/mm	IEC 60243-1
Other Standards^[5]			
Volume resistivity	1E13 / 1E12	Ohm*m	IEC 60093
Surface resistivity	* / 1E13	Ohm	IEC 60093
S: These properties are reported by the producer according standards that are different to our defaults.			
Other properties			
Water absorption	1.3 / *	%	Sim. to ISO 62
Density	1140	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	90	°C	-
Pre-drying - Time	3	h	-
Melt temperature	260 - 280	°C	-
Mold temperature	70 - 100	°C	-

Characteristics**Processing**

Injection Molding, Other Extrusion

Delivery form

Black

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

North America, Europe, South and Central America