

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.02	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.02	mm/mm	ASTM D 955
Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	3300 / 1600	MPa	ISO 527
Yield stress	88.3 / 55	MPa	ISO 527
Yield strain	5 / 20	%	ISO 527
Nominal strain at break	20 / >50	%	ISO 527
Stress at break	60 / 45	MPa	ISO 527
Flexural modulus, 23°C	3300 / 1050	MPa	ISO 178
Charpy impact strength, +23°C	N / N	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	N / N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	6.1 / 23	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	5 / 6.9	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	6.1 / 23	kJ/m ²	ISO 180/1A
Izod notched impact strength	5 / 6.9	kJ/m ²	ISO 180/1A
Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	260 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	210 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	72 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	0.0001 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	0.0001 / *	E-6/K	ISO 11359-1/-2
Oxygen index	26 / *	%	ISO 4589-1/-2
ASTM Data			
UL 94 Flame rating	V-2	-	UL 94
Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	1E8 / -	Ohm*m	IEC 62631-3-1
Electric strength	26 / -	kV/mm	IEC 60243-1
Comparative tracking index	600 / -	-	IEC 60112
ASTM Data			
Arc Resistance	150 / -	s	ASTM D 495
Other properties	dry / cond	Unit	Test Standard
Water absorption	1.2 / *	%	Sim. to ISO 62
Density	1140 / -	kg/m ³	ISO 1183
Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	<70	°C	-
Pre-drying - Time	1 - 3	h	-
Melt temperature	285 - 300	°C	-
Mold temperature	65 - 95	°C	-
Zone 1	260 - 280	°C	-
Zone 2	270 - 285	°C	-
Zone 3	280 - 290	°C	-
Nozzle temperature	280 - 300	°C	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets, Natural Color

Additives

Lubricants

Chemical Resistance

General Chemical Resistance, Solvent Resistance, Oil Resistance

Certifications

Food contact, Food approval FDA 21 CFR

Applications

Automotive, Electrical and Electronical

Regional Availability

North America