

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	2	g/10min	ASTM D 1238
Temperature	400	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.01	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Tensile Modulus	10600	MPa	ISO 527
Yield stress	158	MPa	ISO 527
Strain at break	3.2	%	ISO 527
Flexural modulus, 23°C	9800	MPa	ISO 178
Izod impact strength, +23°C	70	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	14	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	9900	MPa	ASTM D 638
Tensile Strength	147	MPa	ASTM D 638
Elongation at Break	3.2	%	ASTM D 638
Compressive Strength	159	MPa	ASTM D 695
Flexural Modulus	9400	MPa	ASTM D 790
Flexural Strength	237	MPa	ASTM D 790
Rockwell Hardness	M 101	-	ASTM D 785
Izod Impact notched, 1/8 in	120	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	1000	J/m	ASTM D 256
Thermal properties			
ISO Data			
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
Burning behav. at thickness h	V-1	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
ASTM Data			
Melting Temperature	340	°C	ASTM D 3418
Glass Transition Temperature	158	°C	ASTM E 1356
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	15	kV/mm	ASTM D 149
Dissipation Factor, 60 Hz	0.001	-	ASTM D 150
Dissipation Factor, 1 MHz	0.005	-	ASTM D 150
Dielectric Constant, 60 Hz	3.52	-	ASTM D 150
Dielectric Constant, 1 MHz	3.48	-	ASTM D 150
Surface Resistivity	>1E15	Ohm	ASTM D 257
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257
Other properties			
Density	1550	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	149	°C	-
Pre-drying - Time	4	h	-
Melt temperature	366 - 388	°C	-
Mold temperature	149 - 177	°C	-
Zone 1	366	°C	-
Zone 2	371	°C	-
Zone 3	377	°C	-

Nozzle temperature

382

°C

-

Characteristics

Processing

Injection Molding, Profile Extrusion

Delivery form

Pellets, Black

Special Characteristics

Flame retardant, Heat stabilized or stable to heat

Features

Fatigue Resistance

Chemical Resistance

General Chemical Resistance

Applications

Medical

Regional Availability

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