

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	5	g/10min	ASTM D 1238
Temperature	400	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.008	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.012	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Tensile Modulus	3100	MPa	ISO 527
Yield stress	87	MPa	ISO 527
Yield strain	5.7	%	ISO 527
Strain at break	40	%	ISO 527
Flexural modulus, 23°C	3000	MPa	ISO 178
Izod impact strength, +23°C	N	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	7.6	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	2900	MPa	ASTM D 638
Tensile Strength	84	MPa	ASTM D 638
Elongation at Yield	6	%	ASTM D 638
Elongation at Break	40	%	ASTM D 638
Compressive Strength	111	MPa	ASTM D 695
Flexural Modulus	3100	MPa	ASTM D 790
Flexural Strength	122	MPa	ASTM D 790
Rockwell Hardness	M 93	-	ASTM D 785
Izod Impact notched, 1/8 in	100	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	N	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-0	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
Limiting Oxygen Index	34	%	ASTM D 2863
Electrical properties			
ISO Data			
Dissipation factor, 1MHz	40	E-4	IEC 62631-2-1
ASTM Data			
Dielectric Strength, Short Time	17	kV/mm	ASTM D 149
Dielectric Constant, 60 Hz	3.07	-	ASTM D 150
Dielectric Constant, 1 MHz	3.1	-	ASTM D 150
Surface Resistivity	>1E15	Ohm	ASTM D 257
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257
Other properties			
Water Absorption, 24hr	0.2	%	ASTM D 570
Density	1290	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	150	°C	-
Pre-drying - Time	4	h	-
Melt temperature	365 - 390	°C	-

Mold temperature	150 - 180	°C	-
Zone 1	355	°C	-
Zone 2	365	°C	-
Zone 3	370	°C	-
Nozzle temperature	375	°C	-

Characteristics**Processing**

Injection Molding, Film Extrusion, Profile Extrusion, Wire/Cable Extrusion, Blow Molding, Thermoforming

Delivery form

Pellets

Special Characteristics

Flame retardant, High impact or impact modified, Heat stabilized or stable to heat

Features

Ductile, Fatigue Resistance

Chemical Resistance

General Chemical Resistance

Applications

Automotive, Chemical Process, Electrical and Electronical, Medical

Regional Availability

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