

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	15	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength at Yield	55	MPa	ASTM D 638
Elongation at Break	75	%	ASTM D 638
Flexural Modulus	2068	MPa	ASTM D 790
Rockwell Hardness	R 120	-	ASTM D 785
Izod Impact notched, 1/8 in	747	J/m	ASTM D 256
Thermal properties			
ISO Data			
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Burning behav. 5V at thickness h	5VA	class	IEC 60695-11-20
Thickness tested	2.5	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (GWIT)	777	°C	IEC 60695-2-13
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.52	mm	-
Coefficient of Thermal Expansion, MD	70.2	E-6/K	ASTM D 696
Coefficient of Thermal Expansion, TD	68.4	E-6/K	ASTM D 696
DTUL @ 66 psi	137	°C	ASTM D 648
DTUL @ 264 psi	127	°C	ASTM D 648
Limiting Oxygen Index	37	%	ASTM D 2863
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	24	kV/mm	ASTM D 149
Volume Resistivity	6E15	Ohm*cm	ASTM D 257
Arc Resistance	90	s	ASTM D 495
Other Standards^[5]			
Comparative tracking index	325	-	UL 746A
S: These properties are reported by the producer according standards that are different to our defaults.			
Other properties			
Density	1230	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	121	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	277 - 293	°C	-
Mold temperature	71.1 - 93.3	°C	-
Zone 1	249 - 271	°C	-
Zone 2	260 - 271	°C	-
Zone 3	271 - 288	°C	-
Nozzle temperature	266 - 282	°C	-
Screw speed	40 - 70	rpm	-
Injection pressure	68.9 - 124	MPa	-
Back pressure	0.345 - 1.38	MPa	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets, Black

Additives

Release agent

Special Characteristics

Flame retardant, Halogen-free, High impact or impact modified, U.V. stabilized or stable to weather

Certifications

RoHS compliant

Applications

Electrical and Electronical

Regional Availability

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