

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	110	MPa	ASTM D 638
Elongation at Break	5	%	ASTM D 638
Flexural Modulus	5378	MPa	ASTM D 790
Rockwell Hardness	R 120	-	ASTM D 785
Izod Impact notched, 1/8 in	107	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.52	mm	-
DTUL @ 264 psi	141	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Arc Resistance	90	s	ASTM D 495
Other Standards^[5]			
Comparative tracking index	137	-	UL 746A

S: These properties are reported by the producer according standards that are different to our defaults.

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.12	%	ASTM D 570
Density	1340	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	121	°C	-
Pre-drying - Time	4	h	-
Melt temperature	282 - 304	°C	-
Mold temperature	82.2 - 104	°C	-
Zone 1	260 - 277	°C	-
Zone 2	271 - 282	°C	-
Zone 3	282 - 293	°C	-
Nozzle temperature	282 - 293	°C	-
Screw speed	40 - 70	rpm	-
Injection pressure	68.9 - 138	MPa	-
Back pressure	0.345 - 1.38	MPa	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets

Additives

Release agent

Certifications

RoHS compliant

Applications

Electrical and Electronical

Regional Availability

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