

Product Texts

PC with Nickel Plated Carbon Fiber.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	7729	MPa	ASTM D 638
Tensile Strength at Break	84.7	MPa	ASTM D 638
Elongation at Break	1	%	ASTM D 638
Flexural Modulus	6725	MPa	ASTM D 790
Flexural Strength	134	MPa	ASTM D 790
Izod Impact notched, 1/8 in	53.4	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	214	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-2	-	UL 94
DTUL @ 264 psi	140	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Volume Resistivity	43	Ohm*cm	ASTM D 257
Other Standards^[S]			
Surface Resistivity	18	Ohm	ESD STM 11.11

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

Other properties	Value	Unit	Test Standard
Density	1260	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	121	°C	-
Pre-drying - Time	4	h	-
Zone 1	288	°C	-
Zone 2	293	°C	-
Zone 3	293	°C	-
Nozzle temperature	288	°C	-
Screw speed	82	rpm	-
Injection speed	25.4	mm/s	-
Injection pressure	6.89	MPa	-
Back pressure	2.07	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Features

EMI Attenuation/Shielding

Applications

Automotive, Electrical and Electronical

Regional Availability

North America