

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0014	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	14500	MPa	ASTM D 638
Tensile Strength	94	MPa	ASTM D 638
Elongation at Break	1	%	ASTM D 638
Compressive Modulus	8550	MPa	ASTM D 695
Compressive Strength	138	MPa	ASTM D 695
Flexural Modulus	14500	MPa	ASTM D 790
Flexural Strength	152	MPa	ASTM D 790
Izod Impact notched, 1/8 in	42.7	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	220	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
Coefficient of Thermal Expansion, MD	14	E-6/K	ASTM D 696
DTUL @ 264 psi	278	°C	ASTM D 648
Thermal Conductivity, solid state	0.117	W/(m K)	ASTM C 177

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	6E6	Ohm	ASTM D 257
Volume Resistivity	2E7	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.12	%	ASTM D 570
Density	1590	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	177	°C	-
Pre-drying - Time	3	h	-
Processing humidity	≤0.05	%	-
Mold temperature	199 - 216	°C	-
Zone 1	304	°C	-
Nozzle temperature	371	°C	-
Screw speed	50 - 100	rpm	-
Back pressure	6.89	MPa	-

Characteristics

Processing

Injection Molding, Profile Extrusion

Delivery form

Pellets

Special Characteristics

Anti-static, Flame retardant, Heat stabilized or stable to heat

Features

Creep Resistance, Tribologic Grade

Chemical Resistance

General Chemical Resistance

Applications

Aircraft and Aerospace, Automotive

Regional Availability

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