

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0035	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	8825	MPa	ASTM D 638
Tensile Strength	117	MPa	ASTM D 638
Elongation at Break	2.6	%	ASTM D 638
Compressive Modulus	4000	MPa	ASTM D 695
Compressive Strength	123	MPa	ASTM D 695
Flexural Modulus	7308	MPa	ASTM D 790
Flexural Strength	208	MPa	ASTM D 790
Izod Impact notched, 1/8 in	85	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	270	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
Coefficient of Thermal Expansion, MD	25	E-6/K	ASTM D 696
DTUL @ 264 psi	280	°C	ASTM D 648
Thermal Conductivity, solid state	0.0937	W/(m K)	ASTM C 177

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	>1E15	Ohm	ASTM D 257
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.33	%	ASTM D 570
Density	1510	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

Features
Creep Resistance, Tribologic Grade

Delivery form
Pellets

Chemical Resistance
General Chemical Resistance

Additives
Lubricants

Applications
Aircraft and Aerospace, Automotive

Special Characteristics
Flame retardant, Heat stabilized or stable to heat

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