

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	11600	MPa	ISO 527
^[C] Stress at break	140	MPa	ISO 527
^[C] Strain at break	1.8	%	ISO 527
^[C] Charpy impact strength, +23°C	60	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	58	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	32	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	33	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	165	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 1.80 MPa	158	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 8.00 MPa	138	°C	ISO 75-1/-2

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1340	kg/m ³	ISO 1183

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	94	°C	-
Pre-drying - Time	2	h	-
Melt temperature	260 - 290	°C	-
Mold temperature	40 - 70	°C	-

Characteristics

Processing

Injection Molding, Profile Extrusion, Sheet Extrusion, Other Extrusion, Coating, Blow Molding, Transfer Molding

Delivery form

Pellets

Special Characteristics

Light stabilized or stable to light, U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Features

Long fiber reinforced

Regional Availability

North America, Europe, Asia Pacific

Other text information

Injection molding

PP&PE drying requirements: 2 hrs. @94° C.
 A dehumidifier or desiccant dryer is recommended.
 Celstran can be processed on a standard injection molding unit.
 A general purpose metering screw is recommended with a zone distribution of 40% feed, 40% transition, and 20% metering.
 A free flowing check ring assembly is recommended.

Melt Temp: 260-290°C.

Mold Temp: 40- 70°C.