

Product Texts

Electrically Insulating.

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	11000 / 11000	MPa	ISO 527
Stress at break	180 / 165	MPa	ISO 527
Strain at break	1.8 / 2	%	ISO 527
Flexural modulus, 23°C	10300 / -	MPa	ISO 178
Flexural strength	275 / -	MPa	ISO 178
Charpy impact strength, +23°C	45 / 40	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	45 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	20 / 15	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	20 / -	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	285 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	300 / *	°C	ISO 75-1/-2

Other properties	dry / cond	Unit	Test Standard
Density	1440 / -	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4 - 8	h	-
Processing humidity	≤0.03	%	-
Melt temperature	345	°C	-
Mold temperature	135 - 160	°C	-
Zone 1	330 - 340	°C	-
Zone 2	340	°C	-
Zone 3	340	°C	-
Nozzle temperature	335 - 345	°C	-

Characteristics

Processing

Injection Molding, Compression Molding

Delivery form

Pellets, Black

Special Characteristics

High impact or impact modified, Heat stabilized or stable to heat

Features

Creep Resistance, Fatigue Resistance, Long fiber reinforced, Low Warpage

Applications

Aircraft and Aerospace, Automotive

Regional Availability

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