

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	10000	MPa	ISO 527
Stress at break	190	MPa	ISO 527
Strain at break	2.9	%	ISO 527
Flexural modulus, 23°C	9500	MPa	ISO 178
Charpy impact strength, +23°C	100	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	45	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	250	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	255	°C	ISO 75-1/-2
Electrical properties			
ISO Data			
Electric strength	35	kV/mm	IEC 60243-1
Comparative tracking index	500	-	IEC 60112
ASTM Data			
Surface Resistivity	1E12	Ohm	ASTM D 257
Other properties			
Humidity absorption	1.7	%	Sim. to ISO 62
Density	1330	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	110	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.1	%	-
Melt temperature	<310	°C	-
Mold temperature	80 - 160	°C	-
Zone 1	270 - 300	°C	-
Zone 2	270 - 300	°C	-
Zone 3	285 - 310	°C	-
Nozzle temperature	285 - 320	°C	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets

Special Characteristics

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

Features

Creep Resistance, Fatigue Resistance, Low Warpage

Regional Availability

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