

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.3 / *	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	13000 / 11000	MPa	ISO 527
Stress at break	220 / 190	MPa	ISO 527
Strain at break	2.2 / -	%	ISO 527
Flexural modulus, 23°C	10900 / -	MPa	ISO 178
Flexural strength	330 / 270	MPa	ISO 178
Charpy impact strength, +23°C	70 / 90	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	30 / 35	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	237 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	245 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	23 / *	E-6/K	ISO 11359-1/-2

Electrical properties	dry / cond	Unit	Test Standard
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	dry / cond	Unit	Test Standard
Humidity absorption	1.5 / *	%	Sim. to ISO 62
Density	1500 / -	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
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, Compression Molding

Delivery form

Pellets, Black

Features

Long fiber reinforced

Applications

Electrical and Electronical

Regional Availability

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