

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	24000 / 23000	MPa	ISO 527
Stress at break	280 / 250	MPa	ISO 527
Strain at break	1.8 / 2	%	ISO 527
Flexural modulus, 23°C	23500 / -	MPa	ISO 178
ASTM Data			
Izod Impact notched, 1/8 in	120 / -	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	900 / -	J/m	ASTM D 256

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	230 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	14 / *	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB / *	class	IEC 60695-11-10
Oxygen index	25 / *	%	ISO 4589-1/-2

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	1E11 / -	Ohm*m	IEC 62631-3-1
Electric strength	24 / -	kV/mm	IEC 60243-1
Comparative tracking index	600 / -	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
Density	1770 / -	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	12	h	-
Processing humidity	≤0.3	%	-
Melt temperature	280	°C	-
Mold temperature	120 - 140	°C	-
Zone 1	250 - 260	°C	-
Zone 2	260 - 270	°C	-
Zone 3	270 - 280	°C	-
Nozzle temperature	260 - 290	°C	-
Injection pressure	50 - 150	MPa	-
Back pressure	1	MPa	-
Holding pressure	75	MPa	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets, Black, Natural Color

Features

Creep Resistance

Chemical Resistance

General Chemical Resistance

Applications

General Purpose

Regional Availability

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