

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	3400 / 1400	MPa	ISO 527
Yield stress	80 / 55	MPa	ISO 527
Yield strain	4.5 / 20	%	ISO 527
Nominal strain at break	20 / 40	%	ISO 527
Charpy impact strength, +23°C	N / N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	7 / 26	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	5 / -	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	5 / -	kJ/m ²	ISO 180/1A
Izod notched impact strength Temperature	3 / - -30	kJ/m ² °C	ISO 180/1A -

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	80 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	215 / *	°C	ISO 75-1/-2
Burning behav. at thickness h Thickness tested	V-0 / * 0.4 / *	class mm	IEC 60695-11-10 -
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (1)	0.75	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (2)	1.6	mm	-
Glow Wire Ignition Temperature (GWIT)	775	°C	IEC 60695-2-13
GWIT - thickness tested (1)	0.75	mm	-
Glow Wire Ignition Temperature (GWIT)	775	°C	IEC 60695-2-13
GWIT - thickness tested (2)	1.6	mm	-

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Relative permittivity, 1MHz	3.5 / 5	-	IEC 62631-2-1
Volume resistivity	1E12 / 1E9	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E13	Ohm	IEC 62631-3-2
Comparative tracking index	600 / -	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
Humidity absorption	2.2 / *	%	Sim. to ISO 62
Density	1150 / -	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.15	%	-
Melt temperature	280 - 300	°C	-
Mold temperature	80 - 90	°C	-

Characteristics

Processing

Injection Molding

Special Characteristics

Flame retardant, Halogen-free, Phosphorus-free

Regional Availability

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