

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.2 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8 / *	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	10500 / 7600	MPa	ISO 527
Stress at break	150 / 107	MPa	ISO 527
Strain at break	2.7 / 3.9	%	ISO 527
Flexural modulus, 23°C	11500 / -	MPa	ISO 178
Flexural strength	230 / -	MPa	ISO 178
Charpy impact strength, +23°C	67 / 70	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	61 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	10 / 13	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	9 / -	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	262 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	246 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	261 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	18 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	90 / *	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0 / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	-
Yellow Card available	yes / *	-	-
Burning behav. at thickness h	V-0 / *	class	IEC 60695-11-10
Thickness tested	0.4 / *	mm	-
Yellow Card available	yes / *	-	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (1)	0.4	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (2)	0.8	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (3)	1.6	mm	-
Glow Wire Ignition Temperature (GWIT)	750	°C	IEC 60695-2-13
GWIT - thickness tested (1)	0.4	mm	-
Glow Wire Ignition Temperature (GWIT)	750	°C	IEC 60695-2-13
GWIT - thickness tested (2)	0.8	mm	-
Glow Wire Ignition Temperature (GWIT)	750	°C	IEC 60695-2-13
GWIT - thickness tested (3)	1.6	mm	-
Electrical properties			
ISO Data			
Volume resistivity	2.2E13 / 1.7E11	Ohm*m	IEC 62631-3-1
Comparative tracking index	600 / -	-	IEC 60112
Other properties			
dry / cond			
Water absorption	5.6 / *	%	Sim. to ISO 62
Density	1390 / -	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Value			
Melt temperature	320	°C	-
Mold temperature	100	°C	-
Injection pressure	75	MPa	-

Characteristics

Processing

Injection Molding

Certifications

RoHS compliant

Delivery form

Black

Applications

Electrical and Electronical

Special Characteristics

Flame retardant, Halogen-free, Phosphorus-free

Regional Availability

Europe, Asia Pacific