

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	1.0 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	1.1 / *	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	3600 / 1300	MPa	ISO 527
Yield stress	75 / 40	MPa	ISO 527
Flexural modulus, 23°C	3500 / 1300	MPa	ISO 178
Flexural strength	115 / 45	MPa	ISO 178
Charpy impact strength, +23°C	78 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	4.5 / 13	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	60 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	180 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	78 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	78 / *	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 / *	-	-
Burning behav. 5V at thickness h	5VA / *	class	IEC 60695-11-20
Thickness tested	3.2 / *	mm	-
Oxygen index	32 / *	%	ISO 4589-1/-2
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)	775	°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			
Electric strength	10 / -	kV/mm	IEC 60243-1
Comparative tracking index	600 / -	-	IEC 60112
Other properties			
ISO Data			
Density	1190 / -	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Melt temperature	270	°C	-
Mold temperature	80	°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, Heat stabilized or stable to heat

Regional Availability

Europe, Asia Pacific