

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

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Stress at break	170	MPa	ISO 527
Strain at break	1.5	%	ISO 527
Flexural modulus, 23°C	15200	MPa	ISO 178
Flexural strength	260	MPa	ISO 178
Izod impact strength, +23°C	40	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	10	kJ/m ²	ISO 180/1A
Rockwell hardness	L 108	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	270	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	280	°C	ISO 75-1/-2
Vicat softening temperature, B	255	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (1)	1	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (2)	2	mm	-
Glow Wire Ignition Temperature (GWIT)	875	°C	IEC 60695-2-13
GWIT - thickness tested (1)	1	mm	-
Glow Wire Ignition Temperature (GWIT)	875	°C	IEC 60695-2-13
GWIT - thickness tested (2)	2	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	2E14	Ohm*m	IEC 62631-3-1
Surface resistivity	7E15	Ohm	IEC 62631-3-2
Electric strength	16	kV/mm	IEC 60243-1
Comparative tracking index	125	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water absorption	0.02	%	Sim. to ISO 62
Density	1670	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	130 - 150	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	295 - 345	°C	-
Mold temperature	130 - 150	°C	-

Characteristics

Processing

Injection Molding

Certifications

RoHS compliant

Special Characteristics

Flame retardant

Regional Availability

North America, Europe, Asia Pacific, South and Central America