

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
Molding shrinkage, normal	1.0	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	18000	MPa	ISO 527
Stress at break	180	MPa	ISO 527
Strain at break	1.5	%	ISO 527
Charpy impact strength, +23°C	38	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	38	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	11	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	11	kJ/m ²	ISO 179/1eA
Ball indentation hardness	280	MPa	ISO 2039-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	240	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	225	°C	ISO 75-1/-2
Temp. of deflection under load, 8.00 MPa	160	°C	ISO 75-1/-2
Vicat softening temperature, B	255	°C	ISO 306
Coeff. of linear therm. expansion, parallel	15	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Glow Wire Flammability Index (GWFI)	750	°C	IEC 60695-2-12
GWFI - thickness tested (1)	2	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Relative permittivity, 100Hz	5.2	-	IEC 62631-2-1
Relative permittivity, 1MHz	4.5	-	IEC 62631-2-1
Volume resistivity	1E14	Ohm*m	IEC 62631-3-1
Surface resistivity	1E14	Ohm	IEC 62631-3-2
Electric strength	35	kV/mm	IEC 60243-1
Comparative tracking index	250	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water absorption	0.4	%	Sim. to ISO 62
Density	1730	kg/m ³	ISO 1183

Material specific properties	Value	Unit	Test Standard
ISO Data			
Viscosity number	60	cm ³ /g	ISO 307, 1157, 1628

Characteristics

Regional Availability

North America, Europe