

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	15	g/10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	3950	MPa	ISO 527
Yield stress	65	MPa	ISO 527
Yield strain	4	%	ISO 527
Stress at break	50	MPa	ISO 527
Strain at break	9	%	ISO 527
Flexural modulus, 23°C	3800	MPa	ISO 178
Flexural strength	105	MPa	ISO 178
Izod notched impact strength, +23°C	9	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	133	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	141	°C	ISO 75-1/-2
Vicat softening temperature, A	155	°C	ISO 306
Vicat softening temperature, B	145	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Oxygen index	29	%	ISO 4589-1/-2
Glow Wire Ignition Temperature (GWIT)	960	°C	IEC 60695-2-13
GWIT - thickness tested (1)	1	mm	-
Glow Wire Ignition Temperature (GWIT)	960	°C	IEC 60695-2-13
GWIT - thickness tested (2)	2	mm	-
Glow Wire Ignition Temperature (GWIT)	960	°C	IEC 60695-2-13
GWIT - thickness tested (3)	3	mm	-
ASTM Data			
Coefficient of Thermal Expansion, MD	15	E-6/K	ASTM D 696

Electrical properties	Value	Unit	Test Standard
ISO Data			
Relative permittivity, 1MHz	3.1	-	IEC 62631-2-1
Dissipation factor, 1MHz	160	E-4	IEC 62631-2-1
Volume resistivity	1E14	Ohm*m	IEC 62631-3-1
Surface resistivity	1E14	Ohm	IEC 62631-3-2
Electric strength	70	kV/mm	IEC 60243-1
Comparative tracking index	200	-	IEC 60112

Other properties	Value	Unit	Test Standard
Density	1280	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	290 - 315	°C	-
Mold temperature	80 - 115	°C	-

Characteristics

Processing

Injection Molding

Additives

Release agent

Special Characteristics

Flame retardant

Applications

IT / Business Machine, Electrical and Electronical

Regional Availability

North America, Asia Pacific