

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	14	cm ³ /10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1900	MPa	ISO 527
Yield stress	40	MPa	ISO 527
Yield strain	2.7	%	ISO 527
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	160	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	30	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	11	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	31	kJ/m ²	ISO 180/1A
Izod notched impact strength	11	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-
Rockwell hardness	R 101	-	ISO 2039-2
Ball indentation hardness	80	MPa	ISO 2039-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, A	104	°C	ISO 306
Vicat softening temperature, B	96	°C	ISO 306
Coeff. of linear therm. expansion, parallel	95	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Relative permittivity, 100Hz	2.9	-	IEC 62631-2-1
Dissipation factor, 100Hz	54	E-4	IEC 62631-2-1
Dissipation factor, 1MHz	82	E-4	IEC 62631-2-1
Volume resistivity	1E13	Ohm*m	IEC 62631-3-1
Comparative tracking index	600	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water absorption	1.03	%	Sim. to ISO 62
Humidity absorption	0.21	%	Sim. to ISO 62
Density	1020	kg/m ³	ISO 1183

Characteristics

Processing

Injection Molding

Delivery form

Pellets

Applications

Automotive, Electrical and Electronical

Regional Availability

Asia Pacific