

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	8	g/10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
Value	Unit	Test Standard	
<b>ISO Data</b>			
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
Izod notched impact strength, +23°C	9	kJ/m <sup>2</sup>	ISO 180/1A
<b>Thermal properties</b>			
Value	Unit	Test Standard	
<b>ISO Data</b>			
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
<b>ASTM Data</b>			
Coefficient of Thermal Expansion, MD	14.9	E-6/K	ASTM D 696
<b>Electrical properties</b>			
Value	Unit	Test Standard	
<b>ISO Data</b>			
Relative permittivity, 1MHz	3.1	-	IEC 62631-2-1
Dissipation factor, 1MHz	160	E-4	IEC 62631-2-1
Volume resistivity	>1E13	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
<b>Other properties</b>			
Value	Unit	Test Standard	
Density	1280	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
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

### Applications

IT / Business Machine, Electrical and Electronical

### Additives

Release agent

### Regional Availability

Europe, Asia Pacific, Near East/Africa

**Special Characteristics**

Flame retardant, Phosphorus-free