

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.8	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	45	MPa	ISO 527
Strain at break	3	%	ISO 527
Flexural modulus, 23°C	5500	MPa	ISO 178
Flexural strength	45	MPa	ISO 178
Izod impact strength, +23°C	8	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	2.8	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.0	mm	-
Other Standards^[5]			
Thermal Conductivity, solid state	0.332	W/(m K)	ASTM E 1530

S: These properties are reported by the producer according standards that are different to our defaults.

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	10000	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Water absorption	0.02	%	Sim. to ISO 62
Humidity absorption	0.01	%	Sim. to ISO 62
Density	1240	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.05	%	-
Melt temperature	180 - 240	°C	-
Mold temperature	20 - 60	°C	-
Back pressure	0 - 1	MPa	-

Characteristics

Processing

Injection Molding

Regional Availability

Europe

Special Characteristics

Increased electrical conductivity, Thermally Conductive