

Product Texts25% BaSO₄**Processing/Physical Characteristics****ISO Data**

	Value	Unit	Test Standard
Molding shrinkage, parallel	2.0	%	ISO 294-4, 2577

Mechanical properties**ISO Data**

	Value	Unit	Test Standard
Tensile Strength	45	MPa	ISO 527
Strain at break	25	%	ISO 527
Flexural modulus, 23°C	3200	MPa	ISO 178
Flexural strength	60	MPa	ISO 178
Izod impact strength, +23°C	50	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	6	kJ/m ²	ISO 180/1A

Thermal properties**ISO Data**

	Value	Unit	Test Standard
Temp. of deflection under load, 1.80 MPa	110	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	80	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.0	mm	-

Electrical properties**ASTM Data**

	Value	Unit	Test Standard
Surface Resistivity	1E14	Ohm	ASTM D 257

Other properties

	Value	Unit	Test Standard
Water absorption	0.7	%	Sim. to ISO 62
Humidity absorption	0.2	%	Sim. to ISO 62
Density	1670	kg/m ³	ISO 1183

Processing Recommendation Injection Molding

	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 3	h	-
Processing humidity	≤0.05	%	-
Melt temperature	170 - 210	°C	-
Mold temperature	50 - 120	°C	-
Back pressure	0 - 0.5	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

Europe

Chemical Resistance

Radiation Resistance