Menzolit® HPC 1300

UP-(MD+GF)69 Menzolit

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, normal	**0.2**	%	ISO 294-4, 2577
Thermal conductivity of melt	**0.7**	W/(m K)	-
Spec. heat capacity of melt	**1100**	J/(kg K)	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**25000**	MPa	ISO 527
Tensile Strength	**410**	MPa	ISO 527
Flexural modulus, 23°C	**28000**	MPa	ISO 178

Thermal properties	Value	Unit	Test Standard
ISO Data			
Glass transition temperature, 10°C/min	**162**	°C	ISO 11357-1/-2
Coeff. of linear therm. expansion, parallel	**9**	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	**7**	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	**HB**	class	IEC 60695-11-10
Thickness tested	**3.0**	mm	-
Oxygen index	**22**	%	ISO 4589-1/-2

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	**1E13**	Ohm*m	IEC 62631-3-1
Surface resistivity	**1E12**	Ohm	IEC 62631-3-2
Electric strength	**24**	kV/mm	IEC 60243-1
Comparative tracking index	**600**	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water absorption	**0.5**	%	Sim. to ISO 62
Density	**1700**	kg/m³	ISO 1183

Characteristics

Processing
Compression Molding

Delivery form
Sheet Molding Compound

Applications
Automotive

Regional Availability
North America, Europe, Asia Pacific, South and Central America, Near East/Africa