

Vyncolit® BXE6952

Phenolic

Vyncolit N.V.

Message:

Vyncolit BXE6952 is a glass fibre reinforced phenolic moulding compound with superior mechanical properties: very high tensile and flexural strength combined with high elongation at break.

General Information	
Filler / Reinforcement	Glass Fiber
Features	High Elongation
	High Tensile Strength
Appearance	Black
Processing Method	Compression Molding
	Injection Molding
	Resin Transfer Molding

Physical	Nominal Value	Unit	Test Method
Density	1.73	g/cm ³	ISO 1183
Apparent Density	0.55	g/cm ³	ISO 60
Molding Shrinkage	0.15	%	ISO 2577
Water Absorption (Saturation, 23°C)	0.050	%	ISO 62
Post Shrinkage	0.020		ISO 2577
Flexural Strain at Break	1.6	%	ISO 178
ISO Type	PF 2 C3		
Pourability	Good		

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	18000	MPa	ISO 527-2
Tensile Stress (Break)	129	MPa	ISO 527-2
Tensile Strain (Break)	1.0	%	ISO 527-2
Flexural Modulus	17000	MPa	ISO 178
Flexural Stress	247	MPa	ISO 178
Compressive Stress	300	MPa	ISO 604

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.5	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	20	kJ/m ²	ISO 179

Thermal	Nominal Value	Unit	Test Method
CLTE			TMA
Flow	1.4E-5	cm/cm/°C	
Transverse	4.2E-5	cm/cm/°C	

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