

Vyncolit® BXE7530

Phenolic

SBHPP

Message:

Vyncolit® BXE7530 is a glass fiber reinforced phenolic molding compound with superior mechanical properties : high impact and excellent retention of mechanical properties at elevated temperatures.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 55% filler by weight		
Features	Impact resistance, high		
Agency Ratings	EC 1907/2006 (REACH)		
	EU 2002/96/EC (WEEE)		
	EU 2006/122/EC		
RoHS Compliance	RoHS compliance		
Appearance	Black		
Processing Method	Resin transfer molding		
	Compression molding		
	Injection molding		
Part Marking Code (ISO 11469)	>PF-GF55		
Physical	Nominal Value	Unit	Test Method
Density	1.73	g/cm ³	ISO 1183
Apparent Density	0.62	g/cm ³	ISO 60
Molding Shrinkage	0.20	%	ISO 2577
Post Shrinkage	0.020	%	ISO 2577
Flexural Strain at Break	1.5	%	ISO 178
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	17000	MPa	ISO 527-2
Tensile Stress	111	MPa	ISO 527-2
Tensile Strain (Break)	0.83	%	ISO 527-2
Flexural Modulus	17000	MPa	ISO 178
Flexural Stress	227	MPa	ISO 178
Compressive Stress	276	MPa	ISO 604
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	17	kJ/m ²	ISO 179

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