

VYNTEC CF8050

Phenolic
Vyncolit N.V.

Message:

Vyntec® CF8050 is a carbon fiber reinforced phenolic moldable composite with good tribological and superior mechanical properties combined with low density.

General Information			
Filler / Reinforcement	Carbon Fiber,50% Filler by Weight		
Agency Ratings	EU 2002/96/EC (WEEE)		
	EU 2006/122/EC		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Processing Method	Compression Molding		
	Injection Molding		
	Resin Transfer Molding		
Part Marking Code (ISO 11469)	>PF-CF50<		
Physical	Nominal Value	Unit	Test Method
Density	1.44	g/cm³	ISO 1183
Apparent Density	0.57	g/cm³	ISO 60
Molding Shrinkage	0.010	%	ISO 2577
Water Absorption (23°C, 24 hr)	0.080	%	ISO 62
Post Shrinkage	0.020	%	ISO 2577
Flexural Strain at Break	1.2	%	ISO 178
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	127	MPa	ISO 527-2
Flexural Modulus (Injection Molded)	29000	MPa	ISO 178
Flexural Stress (Injection Molded)	333	MPa	ISO 178
Compressive Stress	359	MPa	ISO 604
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (Injection Molded)	2.6	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (Injection Molded)	17	kJ/m²	ISO 179

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Recommended distributors for this material

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