

Vyncolit® X684

Phenolic

SBHPP

Message:

Vyncolit® X684 is a glass bead and glass fiber reinforced phenolic molding compound. It is a free ammonia grade with excellent mechanical properties.

General Information			
Filler / Reinforcement	Micro glass bead \glass fiber, 50% filler by weight		
Agency Ratings	EC 1907/2006 (REACH)		
	EU 2002/96/EC (WEEE)		
	EU 2006/122/EC		
RoHS Compliance	RoHS compliance		
Appearance	Green		
Processing Method	Resin transfer molding		
	Compression molding		
	Injection molding		
Part Marking Code (ISO 11469)	>PF-(GB+GF)50		
Physical	Nominal Value	Unit	Test Method
Density	1.73	g/cm³	ISO 1183
Apparent Density	0.73	g/cm³	ISO 60
Molding Shrinkage	0.31	%	ISO 2577
Water Absorption (Equilibrium, 23°C, 50% RH)	0.16	%	ISO 62
Post Shrinkage	0.030	%	ISO 2577
Flexural Strain at Break	1.5	%	ISO 178
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	11000	MPa	ISO 527-2
Tensile Stress	64.0	MPa	ISO 527-2
Tensile Strain (Break)	0.93	%	ISO 527-2
Flexural Modulus	10000	MPa	ISO 178
Flexural Stress	128	MPa	ISO 178
Compressive Stress	205	MPa	ISO 604
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.1	kJ/m²	ISO 179
Charpy Unnotched Impact Strength	9.0	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	200	°C	ISO 75-2/Af
Linear thermal expansion coefficient	TMA		

Flow	1.8E-5	cm/cm/°C	TMA
Lateral	4.5E-5	cm/cm/°C	TMA

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT