

Vyncolit® X7640

Phenolic

SBHPP

Message:

Vyncolit® X7640 is a glass fiber reinforced resol resin based molding material with excellent mechanical and thermal properties.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 50% filler by weight		
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-GF50		
Physical	Nominal Value	Unit	Test Method
Density	1.71	g/cm ³	ISO 1183
Apparent Density	0.64	g/cm ³	ISO 60
Molding Shrinkage	0.19	%	ISO 2577
Water Absorption (Equilibrium, 23°C, 50% RH)	0.10	%	ISO 62
Post Shrinkage	0.070	%	ISO 2577
Flexural Strain at Break	1.6	%	ISO 178
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	17000	MPa	ISO 527-2
Tensile Stress	138	MPa	ISO 527-2
Tensile Strain (Break)	1.0	%	ISO 527-2
Flexural Modulus	16000	MPa	ISO 178
Flexural Stress	254	MPa	ISO 178
Compressive Stress	308	MPa	ISO 604
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.4	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	21	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Linear thermal expansion coefficient			TMA
Flow	8.0E-6	cm/cm/°C	TMA

Lateral	4.6E-5	cm/cm/°C	TMA
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	34	kV/mm	IEC 60243-1

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

