

Grilamid® LBV-25H black 9472

Polyamide 12

EMS-GRIVORY

Message:

Grilamid® LBV-25H black 9472 is a polyamide 12 (nylon 12) material, which contains a 25% glass fiber reinforced material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is injection molding. Grilamid® The main characteristics of LBV-25H black 9472 are: flame retardant/rated flame.

Typical application areas include:

Automotive Industry

Electrical/electronic applications

industrial applications

Consumer goods

Sporting goods

General Information				
Filler / Reinforcement		Glass fiber reinforced material, 25% filler by weight		
Uses		Electrical/Electronic Applications		
		Industrial application		
		Application in Automobile Field		
		Car interior parts		
		Automotive exterior parts		
		Mobile phone		
		Sporting goods		
		Consumer goods application field		
Appearance		Black		
Forms		Particles		
Processing Method		Injection molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.19	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Transverse flow	0.50	--	%	ISO 294-4
Flow	0.10	--	%	ISO 294-4
Water Absorption				ISO 62
Saturated, 23°C	1.1	--	%	ISO 62
Equilibrium, 23°C, 50% RH	0.60	--	%	ISO 62
Hardness	Dry	Conditioned	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	82	82		ASTM D2240
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	6000	5800	MPa	ISO 527-2
Tensile Stress (Break)	115	110	MPa	ISO 527-2

Tensile Strain (Break)	3.0	3.0	%	ISO 527-2
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	9.0	8.0	kJ/m ²	ISO 179/1eA
23°C	15	11	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	75	60	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
1.8 MPa, not annealed	140	--	°C	ISO 75-2/A
8.0 MPa, not annealed	65.0	--	°C	ISO 75-2/C
Continuous Use Temperature				
-- ¹	90.0 - 110	--	°C	ISO 2578
-- ²	140	--	°C	Internal method
Melting Temperature ³	178	--	°C	ISO 11357-3
Linear thermal expansion coefficient				ISO 11359-2
Flow	3.0E-5	--	cm/cm/°C	ISO 11359-2
Lateral	1.1E-4	--	cm/cm/°C	ISO 11359-2
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	--	1.0E+12	ohms	IEC 60093
Volume Resistivity	1.0E+11	1.0E+11	ohms·cm	IEC 60093
Dielectric Strength	32	32	kV/mm	IEC 60243-1
Comparative Tracking Index	600	600	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flammability Classification (0.8 mm)	HB	--		IEC 60695-11-10, -20
Additional Information	Dry	Conditioned		Test Method
ISO Type	PA 12+X, MHR, 18-060, GF25	--		ISO 1874
NOTE				
1.	Long Term			
2.	Short Term			
3.	10°C/min			

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

