

Grivory® GV-5H EF nat

Polyamide 66 + PA 6I/X

EMS-GRIVORY

Message:

Grivory® GV-5H EF nat is a Polyamide 66 + PA 6I/X (Nylon 66+Nylon 6I/X) material filled with 50% long glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of Grivory® GV-5H EF nat are:

Flame Rated

High Viscosity

Nucleated

Typical applications include:

Electrical/Electronic Applications

Automotive

Appliances

Lighting Applications

General Information				
Filler / Reinforcement		Long Glass Fiber,50% Filler by Weight		
Additive		Nucleating Agent		
Features		Barrier Resin		
		High Viscosity		
		Nucleated		
Uses		Appliance Components		
		Automotive Applications		
		Automotive Exterior Parts		
		Cell Phones		
		Connectors		
		Electrical/Electronic Applications		
		Lighting Applications		
Appearance		Pneumatic Applications		
		Clear/Transparent		
		Natural Color		
Forms		Granules		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.56	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	0.40	--	%	
Flow	0.10	--	%	
Water Absorption				ISO 62

Saturation, 23°C	4.0	--	%	
Equilibrium, 23°C, 50% RH	1.4	--	%	
Hardness	Dry	Conditioned	Unit	Test Method
Ball Indentation Hardness	280	255	MPa	ISO 2039-1
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	18000	17000	MPa	ISO 527-2
Tensile Stress (Break)	250	220	MPa	ISO 527-2
Tensile Strain (Break)	2.5	2.5	%	ISO 527-2
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	13	13	kJ/m ²	
23°C	15	15	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	80	80	kJ/m ²	
23°C	90	90	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
1.8 MPa, Unannealed	235	--	°C	ISO 75-2/A
8.0 MPa, Unannealed	165	--	°C	ISO 75-2/C
Maximum Use Temperature				Internal Method
Long Term	100 to 120	--	°C	
Short Term	220	--	°C	
ISO Type	PA66+PA6I/X, MH, 14-190, GF50			ISO 1874
Melting Temperature ¹	260	--	°C	ISO 11357-3
CLTE				ISO 11359-2
Flow	1.5E-5	--	cm/cm/°C	
Transverse	9.0E-5	--	cm/cm/°C	
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	--	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+14	1.0E+14	ohms·cm	IEC 60093
Electric Strength	33	33	kV/mm	IEC 60243-1
Comparative Tracking Index	--	600	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flammability Classification (0.800 mm)	HB	--		IEC 60695-11-10, -20
NOTE				
1.	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

