

Grivory® GVL-4H nat

Polyamide 66 + PA 6I/X

EMS-GRIVORY

Message:

Grivory® GVL-4H nat is a Polyamide 66 + PA 6I/X (Nylon 66+Nylon 6I/X) material filled with 40% long glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for extrusion or injection molding.

Important attributes of Grivory® GVL-4H nat are:

- Flame Rated
- Heat Stabilizer
- Typical applications include:
 - Automotive
 - Electrical/Electronic Applications
 - Appliances
 - Consumer Goods
 - Engineering/Industrial Parts

General Information	
Filler / Reinforcement	Long Glass Fiber,40% Filler by Weight
Additive	Heat Stabilizer
Features	Aromatic
	Heat Stabilized
Uses	Appliance Components
	Automotive Applications
	Automotive Exterior Parts
	Automotive Interior Parts
	Connectors
	Consumer Applications
	Electrical/Electronic Applications
	Engineering Parts
	Household Goods
	Hydraulic Applications
	Industrial Applications
	Pneumatic Applications
	Power/Other Tools
	Sporting Goods
Appearance	Natural Color
Forms	Granules
Processing Method	Extrusion
	Injection Molding

Physical	Dry	Conditioned	Unit	Test Method
----------	-----	-------------	------	-------------

Density	1.47	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	0.40	--	%	
Flow	0.10	--	%	
Water Absorption				ISO 62
Saturation, 23°C	4.6	--	%	
Equilibrium, 23°C, 50% RH	1.4	--	%	
Hardness	Dry	Conditioned	Unit	Test Method
Ball Indentation Hardness	255	230	MPa	ISO 2039-1
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	14000	13000	MPa	ISO 527-2
Tensile Stress (Break)	240	205	MPa	ISO 527-2
Tensile Strain (Break)	2.5	2.6	%	ISO 527-2
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	30	30	kJ/m ²	
23°C	30	30	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	75	75	kJ/m ²	
23°C	85	80	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
1.8 MPa, Unannealed	250	--	°C	ISO 75-2/A
8.0 MPa, Unannealed	210	--	°C	ISO 75-2/C
Continuous Use Temperature				Internal Method
-- ¹	100 to 120	--	°C	
-- ²	220	--	°C	
Melting Temperature ³	260	--	°C	ISO 11357-3
CLTE				ISO 11359-2
Flow	2.0E-5	--	cm/cm/°C	
Transverse	6.0E-5	--	cm/cm/°C	
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	--	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+12	1.0E+12	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
Additional Information	Dry	Conditioned	Test Method
ISO Type	PA66+PA6I/X, MH, 14-140, GF40		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

