

Grilamid® 2SV-30H nat

Polyamide 610

EMS-GRIVORY

Message:

Grilamid® 2SV-30H nat is a Polyamide 610 (Nylon 610) material filled with 30% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of Grilamid® 2SV-30H nat are:

Flame Rated

Eco-Friendly/Green

Heat Resistant

Impact Resistant

Typical applications include:

Automotive

Electrical/Electronic Applications

Appliances

Engineering/Industrial Parts

Household Applications

General Information	
Filler / Reinforcement	Glass Fiber,30% Filler by Weight
Features	High Heat Resistance
	High Impact Resistance
	Renewable Resource Content
Uses	Appliance Components
	Automotive Applications
	Automotive Electronics
	Automotive Exterior Parts
	Automotive Interior Parts
	Cell Phones
	Connectors
	Electrical/Electronic Applications
	Engineering Parts
	Household Goods
	Hydraulic Applications
	Lighting Applications
	Outdoor Applications
	Pneumatic Applications
	Power/Other Tools
	Sporting Goods
Appearance	Natural Color
Forms	Granules
Processing Method	Injection Molding

Physical	Dry	Conditioned	Unit	Test Method
Density	1.31	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	0.80	--	%	
Flow	0.20	--	%	
Water Absorption				ISO 62
Saturation, 23°C	4.0	--	%	
Equilibrium, 23°C, 50% RH	1.0	--	%	
Hardness	Dry	Conditioned	Unit	Test Method
Ball Indentation Hardness	180	120	MPa	ISO 2039-1
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	9000	7000	MPa	ISO 527-2
Tensile Stress (Break)	155	150	MPa	ISO 527-2
Tensile Strain (Break)	4.0	6.0	%	ISO 527-2
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	11	11	kJ/m ²	
23°C	18	16	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	90	90	kJ/m ²	
23°C	95	95	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
1.8 MPa, Unannealed	200	--	°C	ISO 75-2/A
8.0 MPa, Unannealed	120	--	°C	ISO 75-2/C
Maximum Use Temperature				Internal Method
Long Term	100 to 110	--	°C	
Short Term	160	--	°C	
ISO Type	PA 610, MHR, 22-090, GF30	--		ISO 1874
Melting Temperature ¹	222	--	°C	ISO 11357-3
CLTE				ISO 11359-2
Flow	2.5E-5	--	cm/cm/°C	
Transverse	8.0E-5	--	cm/cm/°C	
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	--	1.0E+11	ohms	IEC 60093
Volume Resistivity	1.0E+11	1.0E+11	ohms · cm	IEC 60093
Electric Strength	45	45	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

