Grilamid® 2SV-30H black 9992

Polyamide 610

EMS-GRIVORY

Message:

Grilamid® 2SV-30H black 9992 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 black 9992 are:
Flame Rated
Eco-Friendly/Green
Good UV Resistance
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	Good UV Resistance 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	Black

Forms		Granules		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.31	--	g/cm³	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	120	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/m²	
23°C	18	16	kJ/m²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	90	90	kJ/m²	
23°C	95	95	kJ/m²	
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			

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