Grivory® GV-5 FWA nat

Polyamide 66 + PA 6I/X

EMS-GRIVORY

Message:

Grivory® GV-5 FWA nat is a Polyamide 66 + PA 6I/X (Nylon 66+Nylon 6I/X) material filled with 50% 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® GV-5 FWA nat are:
Flame Rated
RoHS Compliant
Food Contact Acceptable
Typical applications include:
Plumbing/Piping/Potable Water
Food Contact Applications
Consumer Goods
Engineering/Industrial Parts
Household Applications

General Information	
UL YellowCard	E53898-100921574
Filler / Reinforcement	Glass Fiber,50% Filler by Weight
Features	Aromatic Food Contact Acceptable
Uses	Consumer Applications Engineering Parts Household Goods Hydraulic Applications Industrial Applications Pneumatic Applications
Agency Ratings	ACS Unspecified Rating DVGW W270 EU Food Contact, Unspecified Rating FDA Food Contact, Unspecified Rating KTW Unspecified Rating NSF 61 WRAS Unspecified Rating
RoHS Compliance	RoHS Compliant
Appearance	Natural Color
Forms	Granules
Processing Method	Extrusion Injection Molding

Physical	Dry	Conditioned	Unit	Test Method
Density	1.56	--	g/cm³	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/m²	
23°C	15	15	kJ/m²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	80	80	kJ/m²	
23°C	90	90	kJ/m²	
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
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	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
Additional Information	Dry	Conditioned	Test Method
ISO Type	PA66+PA6I/X, MH, 14-190, GF50		ISO 1874
NOTE			
1.	Long Term		
2.	Short Term		
3.	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