

Grivory® HT2V-3X V0 black 9021

Polyamide 6T/66 Copolymer

EMS-GRIVORY

Message:

Grivory® HT2V-3X V0 black 9021 is a Polyamide 6T/66 Copolymer (Nylon 6T/66) 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 Grivory® HT2V-3X V0 black 9021 are:

- Flame Rated
- Flame Retardant
- Chemical Resistant
- Good Mold Release
- Heat Resistant
- Typical applications include:
 - Automotive
 - Electrical/Electronic Applications
 - Appliances
 - Engineering/Industrial Parts
 - Lighting Applications

General Information	
Filler / Reinforcement	Glass Fiber,30% Filler by Weight
Additive	Flame Retardant
Features	Alcohol Resistant
	Aromatic
	Flame Retardant
	Good Flow
	Good Mold Release
	High Heat Resistance
Uses	Appliance Components
	Automotive Applications
	Automotive Electronics
	Automotive Interior Parts
	Cell Phones
	Connectors
	Electrical/Electronic Applications
	Engineering Parts
	Hydraulic Applications
	Lighting Applications
	Pneumatic Applications
	Power/Other Tools
Appearance	Black
Forms	Granules

Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.43	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	0.90	--	%	
Flow	0.10	--	%	
Water Absorption				ISO 62
Saturation, 23°C	3.5	--	%	
Equilibrium, 23°C, 50% RH	1.3	--	%	
Hardness	Dry	Conditioned	Unit	Test Method
Ball Indentation Hardness	240	230	MPa	ISO 2039-1
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	10500	10500	MPa	ISO 527-2
Tensile Stress (Break)	140	130	MPa	ISO 527-2
Tensile Strain (Break)	2.0	2.0	%	ISO 527-2
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	6.0	6.0	kJ/m ²	
23°C	7.0	7.0	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	35	35	kJ/m ²	
23°C	40	40	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
1.8 MPa, Unannealed	280	--	°C	ISO 75-2/A
8.0 MPa, Unannealed	190	--	°C	ISO 75-2/C
Maximum Use Temperature				Internal Method
Long Term	150	--	°C	
Short Term	240	--	°C	
ISO Type	PA 6T/66, MHF, 11-120, GF30	--		ISO 1874
Melting Temperature ¹	310	--	°C	ISO 11357-3
CLTE				ISO 11359-2
Flow	2.5E-5	--	cm/cm/°C	
Transverse	4.5E-5	--	cm/cm/°C	
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	--	1.0E+11	ohms	IEC 60093
Volume Resistivity	1.0E+12	1.0E+12	ohms · cm	IEC 60093
Electric Strength	34	34	kV/mm	IEC 60243-1

Comparative Tracking Index	--	600	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flammability Classification				IEC 60695-11-10, -20
0.300 mm	V-0	--		
1.50 mm	V-0	--		
3.00 mm	5VA	--		
Oxygen Index	35	--	%	ISO 4589-2
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



WECHAT