Grivory® HT2V-45H

Polyamide 6T/66 Copolymer

EMS-GRIVORY

Message:

Grivory® HT2V-45H is a Polyamide 6T/66 Copolymer (Nylon 6T/66) material filled with 45% 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-45H are:
Flame Rated
RoHS Compliant
Good UV Resistance
Heat Resistant
Typical applications include:
Automotive
Engineering/Industrial Parts
Household Applications
Outdoor Applications
Sporting Goods

General Information	
UL YellowCard	E53898-243889
Filler / Reinforcement	Glass Fiber,45% Filler by Weight
Features	Good UV Resistance High Heat Resistance
Uses	Automotive Applications Automotive Exterior Parts Automotive Interior Parts Engineering Parts Household Goods Hydraulic Applications Outdoor Applications Pneumatic Applications Power/Other Tools Sporting Goods
RoHS Compliance	RoHS Compliant
Forms	Granules
Processing Method	Injection Molding
Multi-Point Data	Shear Modulus vs. Temperature (ISO 11403-1) Specific Volume vs Temperature (ISO 11403-2) Viscosity vs. Shear Rate (ISO 11403-2)

Physical	Dry	Conditioned	Unit	Test Method
Density	1.56	--	g/cm³	ISO 1183

Molding Shrinkage				ISO 294-4
Across Flow	0.80	--	%	
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	310	310	MPa	ISO 2039-1
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	16000	15500	MPa	ISO 527-2
Tensile Stress (Break)	240	220	MPa	ISO 527-2
Tensile Strain (Break)	2.2	2.2	%	ISO 527-2
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	10	9.0	kJ/m^2	
23°C	11	11	kJ/m^2	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	60	60	kJ/m^2	
23°C	65	65	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	235	--	°C	ISO 75-2/C
Maximum Use Temperature				Internal Method
Long Term	140	--	°C	
Short Term	240	--	°C	
ISO Type	PA6T/66, MH, 14-160, GF45	--		ISO 1874
Melting Temperature [1]	310	--	°C	ISO 11357-3
CLTE				ISO 11359-2
Flow	1.5E-5	--	cm/cm/°C	
Transverse	6.0E-5	--	cm/cm/°C	
Electrical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Surface Resistivity	--	1.0E+12	ohms	IEC 60093
Volume Resistivity	1.0E+12	1.0E+12	ohms·cm	IEC 60093
Electric Strength	38	38	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

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