Grivory® GVL-6H black 9915

Polyamide 66 + PA 6I/X

EMS-GRIVORY

Message:

Grivory® GVL-6H black 9915 is a Polyamide 66 + PA 6I/X (Nylon 66+Nylon 6I/X) material filled with 60% long 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® GVL-6H black 9915 are:
Flame Rated
Heat Stabilizer
Typical applications include:
Automotive
Electrical/Electronic Applications
Appliances
Consumer Goods
Engineering/Industrial Parts

General Information	
Filler / Reinforcement	Long Glass Fiber,60% Filler by Weight
Additive	Heat Stabilizer
Features	Aromatic Heat Stabilized
Uses	Appliance Components Automotive Applications Automotive Exterior Parts Automotive Interior Parts Connectors Consumer Applications Electrical/Electronic Applications Engineering Parts Household Goods Hydraulic Applications Industrial Applications Pneumatic Applications Power/Other Tools Sporting Goods
Appearance	Black
Forms	Granules
Processing Method	Extrusion Injection Molding

Physical	Dry	Conditioned	Unit	Test Method

Density	1.69	--	g/cm³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	0.20	--	%	
Flow	0.10	--	%	
Water Absorption				ISO 62
Saturation, 23°C	3.5	--	%	
Equilibrium, 23°C, 50% RH	1.2	--	%	
Hardness	**Dry**	**Conditioned**	**Unit**	**Test Method**
Ball Indentation Hardness	315	290	MPa	ISO 2039-1
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	23000	21500	MPa	ISO 527-2
Tensile Stress (Break)	290	250	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	35	35	kJ/m²	
23°C	35	35	kJ/m²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	85	85	kJ/m²	
23°C	110	100	kJ/m²	
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Heat Deflection Temperature				
1.8 MPa, Unannealed	255	--	°C	ISO 75-2/A
8.0 MPa, Unannealed	225	--	°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	2.0E-5	--	cm/cm/°C	
Transverse	4.0E-5	--	cm/cm/°C	
Electrical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Surface Resistivity	--	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+12	1.0E+12	ohms·cm	IEC 60093
Electric Strength	33	33	kV/mm	IEC 60243-1
Comparative Tracking Index	--	500	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, 14-230N, GF60		ISO 1874
NOTE			
1.	Long Term		
2.	Short Term		
3.	10°C/min		

Recommended distributors for this material

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