Grivory® HT2C-3X LF black 9833

Polyamide 6T/66 Copolymer

EMS-GRIVORY

Message:

Grivory® HT2C-3X LF black 9833 is a Polyamide 6T/66 Copolymer (Nylon 6T/66) material filled with 30% carbon fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.
Important attributes of Grivory® HT2C-3X LF black 9833 are:
Flame Rated
Antistatic
Chemical Resistant
Heat Resistant
Wear Resistant
Typical applications include:
Automotive
Electrical/Electronic Applications
Engineering/Industrial Parts
Household Applications
Tools

General Information	
Filler / Reinforcement	Carbon Fiber,30% Filler by Weight
Additive	Antistatic
Features	Alcohol Resistant Antistatic Aromatic Good Wear Resistance High Heat Resistance
Uses	Automotive Applications Automotive Interior Parts Electrical/Electronic Applications Engineering Parts Household Goods Hydraulic Applications Pneumatic Applications Power/Other Tools
Appearance	Black
Forms	Granules
Processing Method	Injection Molding

Physical	Dry	Conditioned	Unit	Test Method
Density	1.40	--	g/cm³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	0.30	--	%	

Flow	0.10	--	%	
Water Absorption				ISO 62
Saturation, 23°C	4.3	--	%	
Equilibrium, 23°C, 50% RH	1.5	--	%	
Hardness	**Dry**	**Conditioned**	**Unit**	**Test Method**
Ball Indentation Hardness	290	260	MPa	ISO 2039-1
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	24000	24000	MPa	ISO 527-2
Tensile Stress (Break)	240	210	MPa	ISO 527-2
Tensile Strain (Break)	1.5	2.0	%	ISO 527-2
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	5.0	5.0	kJ/m^2	
23°C	7.0	7.0	kJ/m^2	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	40	40	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	210	--	°C	ISO 75-2/C
Maximum Use Temperature				Internal Method
Long Term	140	--	°C	
Short Term	240	--	°C	
ISO Type	PA6T/66, MHS, 14-250,CF30+Z	--		ISO 1874
Melting Temperature [1]	310	--	°C	ISO 11357-3
CLTE				ISO 11359-2
Flow	1.0E-5	--	cm/cm/°C	
Transverse	7.0E-5	--	cm/cm/°C	
Electrical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Surface Resistivity	--	1.0E+2	ohms	IEC 60093
Volume Resistivity	5.0E+3	5.0E+3	ohms·cm	IEC 60093
Electric Strength	3.0	3.0	kV/mm	IEC 60243-1
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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