

Grivory® HT XE 3996

Polyamide 10T/X Copolymer

EMS-GRIVORY

Message:

Grivory® HT XE 3996 is a Polyamide 10T/X Copolymer (Nylon 10T/X) 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® HT XE 3996 are:

Flame Rated

Eco-Friendly/Green

Good UV Resistance

Heat Resistant

Typical applications include:

Automotive

Electrical/Electronic Applications

Appliances

Engineering/Industrial Parts

Household Applications

General Information				
Filler / Reinforcement		Glass Fiber,30% Filler by Weight		
Features		Good UV Resistance		
		High Heat Resistance		
		Hydrolysis Resistant		
		Renewable Resource Content		
Uses		Appliance Components		
		Automotive Applications		
		Automotive Exterior Parts		
		Automotive Interior Parts		
		Cell Phones		
		Electrical/Electronic Applications		
		Engineering Parts		
		Household Goods		
		Hydraulic Applications		
		Outdoor Applications		
		Pneumatic Applications		
		Power/Other Tools		
		Sporting Goods		
Forms		Granules		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.38	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4

Across Flow	1.1	--	%	
Flow	0.40	--	%	
Water Absorption				ISO 62
Saturation, 23°C	2.0	--	%	
Equilibrium, 23°C, 50% RH	0.80	--	%	
Hardness	Dry	Conditioned	Unit	Test Method
Ball Indentation Hardness	225	225	MPa	ISO 2039-1
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	9500	9500	MPa	ISO 527-2
Tensile Stress (Break)	150	150	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	7.0	7.0	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	260	--	°C	ISO 75-2/A
8.0 MPa, Unannealed	140	--	°C	ISO 75-2/C
Maximum Use Temperature - Long Term	150	--	°C	Internal Method
ISO Type	PA10T/X, MH, 14-100, GF 30	--		ISO 1874
Melting Temperature ¹	295	--	°C	ISO 11357-3
CLTE				ISO 11359-2
Flow	2.0E-5	--	cm/cm/°C	
Transverse	6.5E-5	--	cm/cm/°C	
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	--	1.0E+11	ohms	IEC 60093
Volume Resistivity	1.0E+11	1.0E+11	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				IEC 60695-11-10, -20
0.400 mm	HB	--		
1.50 mm	HB	--		
NOTE				

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

