

Strator® C-6 HTX

Polyamide 66/6 Copolymer

EPIC Polymers

Message:

STRATOR® C-6 HTX is a Polyamide 66/6 Copolymer (Nylon 66/6) product filled with 60% long glass fiber. It is available in Europe.

Characteristics include:

Copolymer

Heat Stabilizer

High Flow

General Information				
Filler / Reinforcement		Long Glass Fiber,60% Filler by Weight		
Additive		Heat Stabilizer		
Features		Copolymer		
		Heat Stabilized		
		High Flow		
Forms		Pellets		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.72	--	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.20	--	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 50% RH)	1.1	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus				ISO 527-2
23°C	22000	19000	MPa	
90°C	14000	--	MPa	
120°C	13000	--	MPa	
Tensile Stress (Yield, 23°C)	290	230	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.0	--	%	ISO 527-2
Flexural Modulus (23°C)	19000	15000	MPa	ISO 178
Flexural Stress (23°C)	450	350	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	38	40	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	92	100	kJ/m ²	ISO 179
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	245	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	238	--	°C	ISO 75-2/A
CLTE - Flow (23°C)	1.8E-5	--	cm/cm/°C	ISO 7991

Thermal Conductivity	0.35	--	W/m/K	ISO 22007
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+12	--	ohms	ASTM D257
Electric Strength	36	--	kV/mm	IEC 60243-1
Comparative Tracking Index	500	--	V	IEC 60112
Extrusion	Dry	Unit		
Cylinder Zone 1 Temp.	270 to 300		°C	
Cylinder Zone 2 Temp.	270 to 300		°C	
Cylinder Zone 3 Temp.	285 to 310		°C	
Cylinder Zone 4 Temp.	285 to 320		°C	

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