

Strator® B-6

Polyamide 6
EPIC Polymers

Message:

STRATOR® B-6 is a Polyamide 6 (Nylon 6) product filled with 60% long glass fiber. It is available in Europe.

General Information				
Filler / Reinforcement		Long Glass Fiber,60% Filler by Weight		
Forms		Pellets		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.69	--	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.20	--	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 50% RH)	1.8	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	22500	16500	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	255	195	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.0	2.0	%	ISO 527-2
Flexural Modulus (23°C)	17500	--	MPa	ISO 178
Flexural Stress (23°C)	360	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	30	--	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	100	--	kJ/m ²	ISO 179
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	220	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	220	--	°C	ISO 75-2/A
CLTE - Flow (23°C)	2.0E-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	35	--	kV/mm	IEC 60243-1
Comparative Tracking Index	500	--	V	IEC 60112
Injection	Dry	Unit		
Drying Temperature	110	°C		
Drying Time	4.0	hr		
Suggested Max Moisture	0.10	%		
Rear Temperature	240 to 280	°C		

Middle Temperature	250 to 290	°C
Front Temperature	260 to 310	°C
Nozzle Temperature	270 to 320	°C
Processing (Melt) Temp	< 320	°C
Mold Temperature	80.0 to 130	°C

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