

Strator® TA-10-3 XC

Polyphthalamide
EPIC Polymers

Message:

STRATOR® TA-10-3 XC is a Polyphthalamide (PPA) product filled with 30% long carbon fiber. It can be processed by injection molding and is available in Europe.

General Information			
Filler / Reinforcement	Long Carbon Fiber,30% Filler by Weight		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.30	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.25	%	Internal Method
Water Absorption (Equilibrium, 23°C, 50% RH)	0.80	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	26000	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	320	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	1.5	%	ISO 527-2
Flexural Modulus (23°C)	24500	MPa	ISO 178
Flexural Stress (23°C)	440	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	55	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	300	°C	ISO 75-2/B
1.8 MPa, Unannealed	285	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.080	%	
Rear Temperature	320 to 340	°C	
Middle Temperature	320 to 335	°C	
Front Temperature	320 to 335	°C	
Nozzle Temperature	325 to 340	°C	
Processing (Melt) Temp	340	°C	
Mold Temperature	135 to 165	°C	

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Recommended distributors for this material

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