

STAR-THERM® E TA10-3C G

Polyphthalamide

EPIC Polymers

Message:

STAR-THERM® E TA10-3C G is a Polyphthalamide (PPA) product filled with 30% carbon fiber and 10% glass fiber. It is available in Europe.

General Information				
Filler / Reinforcement	Carbon Fiber,30% Filler by Weight Glass Fiber,10% Filler by Weight			
Forms	Pellets			
Physical	Dry	Conditioned	Unit	Test Method
Density	1.40	--	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.20	--	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 50% RH)	1.2	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	30000	29000	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	270	260	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.0	2.0	%	ISO 527-2
Flexural Modulus (23°C)	27000	--	MPa	ISO 178
Flexural Stress (23°C)	390	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	9.0	--	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	50	--	kJ/m ²	ISO 179
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	285	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	275	--	°C	ISO 75-2/A
CLTE - Flow (23°C)	1.5E-5	--	cm/cm/°C	ISO 7991
Thermal Conductivity	0.60	--	W/m/K	ISO 22007
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+2	--	ohms	ASTM D257
Extrusion	Dry	Unit		
Cylinder Zone 1 Temp.	320 to 340		°C	
Cylinder Zone 2 Temp.	320 to 335		°C	
Cylinder Zone 3 Temp.	320 to 335		°C	
Cylinder Zone 4 Temp.	325 to 340		°C	

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

