TRIBOCOMP® PA6 GF40 TS0

Polyamide 6

EPIC Polymers

Message:

TRIBOCOMP® PA6 GF40 TS0 is a polyamide 6 (nylon 6) product, which contains 15% ptfe fiber and 40% glass fiber reinforcement. It is available in Europe.

General Information			
Filler / Reinforcement	PTFE fiber, 15% filler by weight Glass fiber reinforced material, 40% filler by weight		
Forms	Particle		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.61	g/cm³	ISO 1183
Molding Shrinkage - Flow	0.30	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 50% RH)	1.4	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (23°C)	12000	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	185	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus (23°C)	11000	MPa	ISO 178
Flexural Stress (23°C)	250	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	15	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (23°C)	80	kJ/m²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, not annealed	220	°C	ISO 75-2/B
1.8 MPa, not annealed	215	°C	ISO 75-2/A
CLTE - Flow (23°C)	2.8E-5	cm/cm/°C	ISO 7991
Thermal Conductivity	0.31	W/m/K	ISO 22007
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+12	ohms	ASTM D257
Dielectric Strength (2.00 mm)	36	kV/mm	IEC 60243-1
Comparative Tracking Index	500	V	IEC 60112
Additional Information			
The value listed as Molding Shrinkage ISO 294-4, was tested in accordance with S.O.P. methods.			
Injection	**Nominal Value**	**Unit**	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	

Suggested Max Moisture	0.10	%
Rear Temperature	230 - 270	°C
Middle Temperature	235 - 280	°C
Front Temperature	235 - 280	°C
Nozzle Temperature	235 - 290	°C
Processing (Melt) Temp	< 320	°C
Mold Temperature	80.0 - 120	°C

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