

TRIBOCOMP® PA66 GF40 TS5

Polyamide 66

EPIC Polymers

Message:

Tribosystem 5

General Information				
Filler / Reinforcement		Glass fiber reinforced material, 40% filler by weight		
Forms		Particle		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.56	--	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.30	--	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 50% RH)	1.2	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus				ISO 527-2
23°C	12500	9100	MPa	ISO 527-2
120°C	6500	--	MPa	ISO 527-2
Tensile Stress				ISO 527-2
Fracture, 23°C	185	140	MPa	ISO 527-2
Fracture, 120°C	95.0	--	MPa	ISO 527-2
Tensile Strain (Break)	2.4	3.8	%	ISO 527-2
Flexural Modulus (23°C)	11500	8200	MPa	ISO 178
Flexural Stress (23°C)	255	210	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	--	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	48	--	kJ/m ²	ISO 179
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, not annealed	252	--	°C	ISO 75-2/B
1.8 MPa, not annealed	250	--	°C	ISO 75-2/A
CLTE - Flow (23°C)	2.7E-5	--	cm/cm/°C	ISO 7991
Thermal Conductivity	0.31	--	W/m/K	ISO 22007
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+12	--	ohms	ASTM D257
Dielectric Strength (2.00 mm)	37	--	kV/mm	IEC 60243-1
Comparative Tracking Index	500	--	V	IEC 60112

Additional Information

干燥

The value listed as Molding Shrinkage ISO 294-4, was tested in accordance with S.O.P. methods.

Injection	Dry	Unit
Drying Temperature	80.0	°C
Drying Time	4.0	hr
Suggested Max Moisture	0.10	%
Rear Temperature	270 - 300	°C
Middle Temperature	275 - 295	°C
Front Temperature	280 - 295	°C
Nozzle Temperature	290 - 310	°C
Processing (Melt) Temp	< 300	°C
Mold Temperature	80.0 - 130	°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

