

TRIBOCOMP® PA66 GF30 TS0

Polyamide 66

EPIC Polymers

Message:

TRIBOCOMP® PA66 GF30 TS0 is a polyamide 66 (nylon 66) product, which contains 15% ptfe fiber and 30% glass fiber reinforcement. It is available in Europe.

General Information				
Filler / Reinforcement		PTFE fiber, 15% filler by weight		
		Glass fiber reinforced material, 30% filler by weight		
Forms		Particle		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.49	--	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.40	--	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 50% RH)	1.4	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus				ISO 527-2
23°C	10000	7000	MPa	ISO 527-2
90°C	6000	--	MPa	ISO 527-2
120°C	5000	--	MPa	ISO 527-2
Tensile Stress				ISO 527-2
Fracture, 23°C	165	120	MPa	ISO 527-2
Fracture, 90°C	90.0	--	MPa	ISO 527-2
Fracture, 120°C	80.0	--	MPa	ISO 527-2
Tensile Strain (Break)	3.0	6.0	%	ISO 527-2
Flexural Modulus (23°C)	8500	5800	MPa	ISO 178
Flexural Stress (23°C)	230	180	MPa	ISO 178
Coefficient of Friction				ASTM D3702
Dynamic	0.26	--		ASTM D3702
Static	0.18	--		ASTM D3702
Wear Factor	14.0	--		ASTM D3702
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	13	--	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	45	--	kJ/m ²	ISO 179
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, not annealed	250	--	°C	ISO 75-2/B

1.8 MPa, not annealed	250	--	°C	ISO 75-2/A
CLTE - Flow (23°C)	3.0E-5	--	cm/cm/°C	ISO 7991
Thermal Conductivity	0.28	--	W/m/K	ISO 22007
Electrical	Dry	Conditioned	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

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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

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