

TRIBOCOMP® PA66 GF30 TS13

Polyamide 66

EPIC Polymers

Message:

TRIBOCOMP® PA66 GF30 TS13 is a Polyamide 66 (Nylon 66) product filled with 30% glass fiber. It is available in Europe.

General Information				
Filler / Reinforcement		Glass Fiber,30% Filler by Weight		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.34	--	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.40	--	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 50% RH)	1.6	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	9400	6800	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	175	125	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	3.0	6.0	%	ISO 527-2
Flexural Modulus (23°C)	8100	5600	MPa	ISO 178
Flexural Stress (23°C)	250	185	MPa	ISO 178
Coefficient of Friction ¹				ASTM D3702
vs. Itself - Dynamic	0.19	--		
vs. Itself - Static	0.16	--		
Wear Factor (23°C)	18.0	--		ASTM D3702
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	11	--	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	70	--	kJ/m ²	ISO 179
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	250	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	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
Electric Strength	36	32	kV/mm	IEC 60243-1
Comparative Tracking Index	500	500	V	IEC 60112
Injection	Dry	Unit		
Drying Temperature	80.0		°C	

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

NOTE

1. 23°C

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