

TRIBOCOMP® PA66 CF30 TS0

Polyamide 66

EPIC Polymers

Message:

TRIBOCOMP® PA66 CF30 TS0 is a polyamide 66 (nylon 66) product, which contains 15% ptfe fiber and 30% carbon fiber reinforced materials. It is available in Europe.

General Information				
Filler / Reinforcement		PTFE fiber, 15% filler by weight		
		Carbon fiber reinforced material, 30% filler by weight		
Forms		Particle		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.32	--	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.40	--	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 50% RH)	1.8	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus				ISO 527-2
23°C	22000	17000	MPa	ISO 527-2
90°C	15000	--	MPa	ISO 527-2
120°C	11000	--	MPa	ISO 527-2
Tensile Stress				ISO 527-2
Fracture, 23°C	230	170	MPa	ISO 527-2
Fracture, 90°C	135	--	MPa	ISO 527-2
Fracture, 120°C	120	--	MPa	ISO 527-2
Tensile Strain (Break)	2.0	--	%	ISO 527-2
Flexural Modulus (23°C)	20000	--	MPa	ISO 178
Flexural Stress (23°C)	350	255	MPa	ISO 178
Coefficient of Friction				ASTM D3702
Dynamic	0.14	--		ASTM D3702
Static	0.12	--		ASTM D3702
Wear Factor	9.00	--		ASTM D3702
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)	35	--	kJ/m ²	ISO 179
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, not annealed	255	--	°C	ISO 75-2/B

1.8 MPa, not annealed	253	--	°C	ISO 75-2/A
CLTE - Flow (23°C)	2.1E-5	--	cm/cm/°C	ISO 7991
Thermal Conductivity	0.51	--	W/m/K	ISO 22007
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+2	--	ohms	ASTM D257

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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