

TRIBOCOMP® PA6 TS0

Polyamide 6
EPIC Polymers

Message:

TRIBOCOMP® PA6 TS0 is a polyamide 6 (nylon 6) product containing 20% ptfe fiber. It is available in Europe.

General Information				
Filler / Reinforcement		PTFE fiber, 20% filler by weight		
Forms		Particle		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.25	--	g/cm ³	ISO 1183
Molding Shrinkage - Flow	1.2	--	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 50% RH)	2.4	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	2800	1100	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	60.0	35.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	> 10	--	%	ISO 527-2
Flexural Modulus (23°C)	2400	--	MPa	ISO 178
Coefficient of Friction				ASTM D3702
Dynamic	0.20	--		ASTM D3702
Static	0.11	--		ASTM D3702
Wear Factor	16.0	--		ASTM D3702
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	--	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	180	--	°C	ISO 75-2/B
1.8 MPa, not annealed	65.0	--	°C	ISO 75-2/A
CLTE - Flow (23°C)	8.0E-5	--	cm/cm/°C	ISO 7991
Thermal Conductivity	0.24	--	W/m/K	ISO 22007
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+12	--	ohms	ASTM D257
Dielectric Strength (2.00 mm)	29	--	kV/mm	IEC 60243-1
Comparative Tracking Index	600	--	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	220 - 260	°C
Middle Temperature	225 - 270	°C
Front Temperature	230 - 280	°C
Nozzle Temperature	230 - 290	°C
Processing (Melt) Temp	< 320	°C
Mold Temperature	80.0 - 120	°C

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