TRIBOCOMP® PA6 CF10 TS0

Polyamide 6

EPIC Polymers

Message:

TRIBOCOMP®PA6 CF10 TS0 is a polyamide 6 (nylon 6) product, which contains 20% ptfe fiber and 10% carbon fiber reinforced materials. It is available in Europe.

General Information				
Filler / Reinforcement	PTFE fiber, 20% filler by weight Carbon fiber reinforced material, 10% filler by weight			
Forms	Particle			
Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Density	1.32	--	g/cm³	ISO 1183
Molding Shrinkage - Flow	0.40	--	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 50% RH)	2.1	--	%	ISO 62
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus (23°C)	7200	4400	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	130	75.0	MPa	ISO 527-2
Tensile Strain (Break)	3.0	4.0	%	ISO 527-2
Flexural Modulus (23°C)	6100	--	MPa	ISO 178
Flexural Stress (23°C)	180	--	MPa	ISO 178
Coefficient of Friction				ASTM D3702
Dynamic	0.13	--		ASTM D3702
Static	0.12	--		ASTM D3702
Wear Factor	11.0	--		ASTM D3702
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	6.0	8.0	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (23°C)	35	45	kJ/m²	ISO 179
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Heat Deflection Temperature				
0.45 MPa, not annealed	215	--	°C	ISO 75-2/B
1.8 MPa, not annealed	210	--	°C	ISO 75-2/A
CLTE - Flow (23°C)	3.1E-5	--	cm/cm/°C	ISO 7991
Thermal Conductivity	0.43	--	W/m/K	ISO 22007
Electrical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Surface Resistivity	1.0E+4 - 1.0E+6	--	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.The value listed as Coefficient of Linear Thermal Expansion, Flow ISO 11359-1-2, was tested in accordance with ISO 7991.

Injection	Dry	Unit
Drying Temperature	80.0	°C
Drying Time	4.0	hr
Suggested Max Moisture	0.10	%
Rear Temperature	230 - 270	°C
Middle Temperature	235 - 280	°C
Front Temperature	235 - 280	°C
Nozzle Temperature	235 - 290	°C
Processing (Melt) Temp	< 320	°C
Mold Temperature	80.0 - 120	°C

Recommended distributors for this material

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