TRIBOCOMP® POM CF10 TS0

Acetal (POM) Copolymer

EPIC Polymers

Message:

TRIBOCOMP®POM CF10 TS0 is a polyoxymethylene (POM) copolymer product, which contains 10% ptfe fiber and 10% carbon fiber reinforced materials. It is available in Europe.
Features include:
Copolymer
Lubrication

General Information			
Filler / Reinforcement	PTFE fiber, 10% filler by weight Carbon fiber reinforced material, 10% filler by weight		
Additive	PTFE lubricant (10%)		
Features	Copolymer		
Forms	Particle		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.49	g/cm³	ISO 1183
Molding Shrinkage - Flow	0.70	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 50% RH)	0.20	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (23°C)	7500	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	70.0	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus (23°C)	6500	MPa	ISO 178
Flexural Stress (23°C)	95.0	MPa	ISO 178
Coefficient of Friction			ASTM D3702
Dynamic	0.13		ASTM D3702
Static	0.12		ASTM D3702
Wear Factor	12.0		ASTM D3702
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	5.0	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (23°C)	20	kJ/m²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, not annealed	165	°C	ISO 75-2/B
1.8 MPa, not annealed	160	°C	ISO 75-2/A
CLTE - Flow (23°C)	4.0E-5	cm/cm/°C	ISO 7991
Thermal Conductivity	0.37	W/m/K	ISO 22007
Electrical	**Nominal Value**	**Unit**	**Test Method**

Surface Resistivity	1.0E+4	ohms	ASTM D257

Additional Information
The value listed as Molding Shrinkage ISO 294-4, was tested in accordance with S.O.P. methods.

Injection	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	2.0	hr
Rear Temperature	160 - 210	°C
Middle Temperature	170 - 220	°C
Front Temperature	180 - 220	°C
Nozzle Temperature	200 - 225	°C
Processing (Melt) Temp	< 220	°C
Mold Temperature	80.0 - 120	°C

Recommended distributors for this material

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