TRIBOCOMP® POM TS7

Acetal (POM) Copolymer

EPIC Polymers

Message:

TRIBOCOMP® POM TS7 is a polyoxymethylene (POM) copolymer product. It is available in Europe.
Features include:
Copolymer
Lubrication

General Information			
Additive	PTFE + Silicone Lubricant (20%)		
Features	Copolymer Lubrication		
Forms	Particle		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.46	g/cm³	ISO 1183
Molding Shrinkage - Flow	1.8	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 50% RH)	0.30	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (23°C)	2500	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	45.0	MPa	ISO 527-2
Tensile Strain (Break)	15	%	ISO 527-2
Flexural Modulus (23°C)	1800	MPa	ISO 178
Flexural Stress (23°C)	50.0	MPa	ISO 178
Coefficient of Friction			ASTM D3702
Dynamic	0.10		ASTM D3702
Static	0.050		ASTM D3702
Wear Factor	13.0		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)	60	kJ/m²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, not annealed	150	°C	ISO 75-2/B
1.8 MPa, not annealed	105	°C	ISO 75-2/A
CLTE - Flow (23°C)	1.0E-4	cm/cm/°C	ISO 7991
Thermal Conductivity	0.23	W/m/K	ISO 22007
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+15	ohms	ASTM D257

Dielectric Strength (2.00 mm)	35	kV/mm	IEC 60243-1
Comparative Tracking Index	600	V	IEC 60112

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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