

TRIBOCOMP® POM TS14

Acetal (POM) Copolymer

EPIC Polymers

Message:

TRIBOCOMP® POM TS14 is an Acetal (POM) Copolymer product. It is available in Europe. Primary characteristic: lubricated.

General Information			
Additive	PTFE Lubricant		
Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm ³	ISO 1183
Molding Shrinkage - Flow	2.2	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 50% RH)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2600	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	45.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	> 10	%	ISO 527-2
Flexural Modulus (23°C)	2300	MPa	ISO 178
Flexural Stress (23°C)	65.0	MPa	ISO 178
Coefficient of Friction			ASTM D3702
Dynamic	0.11		
Static	0.10		
Wear Factor	10.0		ASTM D3702
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	55	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	150	°C	ISO 75-2/B
1.8 MPa, Unannealed	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
Electric Strength	35	kV/mm	IEC 60243-1
Comparative Tracking Index	600	V	IEC 60112
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	
Rear Temperature	160 to 210	°C	

Middle Temperature	170 to 220	°C
Front Temperature	180 to 220	°C
Nozzle Temperature	200 to 225	°C
Processing (Melt) Temp	< 220	°C
Mold Temperature	80.0 to 120	°C

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