

TRIBOCOMP® POM AF10 TS0

Acetal (POM) Copolymer

EPIC Polymers

Message:

TRIBOCOMP® POM AF10 TS0 is an Acetal (POM) Copolymer product filled with 10% aramid fiber and 10% ptfе fiber. It is available in Europe. Primary characteristic: copolymer.

General Information			
Filler / Reinforcement	Aramid Fiber,10% Filler by Weight		
	PTFE Fiber,10% Filler by Weight		
Features	Copolymer		
	Low Friction		
Forms	Pellets		
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)	3200	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	55.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	5.0	%	ISO 527-2
Flexural Modulus (23°C)	2500	MPa	ISO 178
Flexural Stress (23°C)	65.0	MPa	ISO 178
Coefficient of Friction			ASTM D3702
vs. Itself - Dynamic	0.11		
vs. Itself - Static	0.070		
Wear Factor	11	10 ⁻⁸ mm³/N·m	ASTM D3702
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.0	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (23°C)	45	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	160	°C	ISO 75-2/B
1.8 MPa, Unannealed	135	°C	ISO 75-2/A
CLTE - Flow (23°C)	8.0E-5	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	30	kV/mm	IEC 60243-1
Comparative Tracking Index	600	V	IEC 60112
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	160 to 210	°C	
Cylinder Zone 2 Temp.	170 to 220	°C	
Cylinder Zone 3 Temp.	180 to 220	°C	
Cylinder Zone 4 Temp.	200 to 225	°C	

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