

Tenac™-C TFC77

Acetal (POM) Copolymer

Asahi Kasei Chemicals Corporation

Message:

Tenac™-C TFC77 is an Acetal (POM) Copolymer product. It is available in Africa & Middle East, Asia Pacific, Europe, or North America. Applications of Tenac™-C TFC77 include engineering/industrial parts and housings.

Characteristics include:

Flame Rated
Conductive
Copolymer
High Viscosity

General Information			
Features	Copolymer Electrically Conductive High Viscosity		
Uses	Bearings Engineering Parts Gears Housings		
Physical	Nominal Value	Unit	Test Method
Density	1.41	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ISO 1133
Molding Shrinkage - Flow	1.2 to 1.6	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3200	MPa	ISO 527-2
Tensile Stress (Break)	38.0	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	3100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	2.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	145	°C	ISO 75-2/B
1.8 MPa, Unannealed	85.0	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0 to 10	ohms	IEC 60093
Volume Resistivity	1.0 to 10	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method

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