

Tenac™-C EF850

Acetal (POM) Copolymer

Asahi Kasei Chemicals Corporation

Message:

Tenac™-C EF850 is an Acetal (POM) Copolymer product. It is available in Africa & Middle East, Asia Pacific, Europe, or North America. Applications of Tenac™-C EF850 include engineering/industrial parts and housings.

Characteristics include:

- Flame Rated
- Antistatic
- Conductive
- Copolymer
- Low Viscosity

General Information	
Additive	Antistatic
Features	Antistatic
	Copolymer
	Electrically Conductive
	Low 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)	18	g/10 min	ISO 1133
Molding Shrinkage - Flow	1.4 to 1.8	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3300	MPa	ISO 527-2
Tensile Stress (Break)	50.0	MPa	ISO 527-2
Tensile Strain (Break)	5.0	%	ISO 527-2
Flexural Modulus	3200	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	153	°C	ISO 75-2/B
1.8 MPa, Unannealed	95.0	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	10 to 1.0E+2	ohms	IEC 60093

Volume Resistivity	10 to 1.0E+2	ohms·cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.750 mm)	HB		UL 94

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

