

Tenac™-C EF750

Acetal (POM) Copolymer

Asahi Kasei Chemicals Corporation

Message:

Tenac™-C EF750 is an Acetal (POM) Copolymer product. It is available in Africa & Middle East, Asia Pacific, Europe, or North America. Applications of Tenac™-C EF750 include engineering/industrial parts and housings.

Characteristics include:

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

General Information	
UL YellowCard	E48285-240805
Additive	Antistatic
Features	Antistatic
	Copolymer
	Electrically Conductive
	Low Viscosity
Uses	Bearings
	Engineering Parts
	Gears
	Housings

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	10	g/10 min	ISO 1133
Molding Shrinkage - Flow	1.6 to 2.0	%	Internal Method
Water Absorption (23°C, 24 hr, 50% RH)	0.20	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	80		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2600	MPa	ISO 527-2
Tensile Stress			
Break	52.0	MPa	ISO 527-2
--	48.0	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638, ISO 527-2
Flexural Modulus			
--	2450	MPa	ASTM D790
--	2500	MPa	ISO 178

Flexural Strength	78.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.0	kJ/m ²	ISO 179
Notched Izod Impact	42	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	162	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	120	°C	ASTM D648
1.8 MPa, Unannealed	100	°C	ISO 75-2/A
CLTE - Flow			
--	1.0E-4	cm/cm/°C	ASTM D696
--	6.0E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	1.0E+2 to 1.0E+4	ohms	ASTM D257
--	10 to 1.0E+2	ohms	IEC 60093
Volume Resistivity			
23°C	1.0E+2 to 1.0E+4	ohms·cm	ASTM D257
--	10 to 1.0E+2	ohms·cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	HB		
1.50 mm	HB		

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