

Tenac™-C HC350

Acetal (POM) Copolymer

Asahi Kasei Corporation

Message:

Tenac™-C HC350 is a polyoxymethylene (POM) copolymer product. It is available in North America, Africa and the Middle East, Europe or Asia Pacific. Features include:
flame retardant/rated flame
Copolymer

General Information			
UL YellowCard	E48285-240818		
Features	Copolymer		
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)	2.8	g/10 min	ISO 1133
Molding Shrinkage - Flow	1.6 - 2.0	%	Internal method
Water Absorption (23°C, 24 hr, 50% RH)	0.20	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
Class m	90		ASTM D785
Class r	117		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2650	MPa	ISO 527-2
Tensile Stress			
Yield	66.0	MPa	ISO 527-2
--	65.0	MPa	ASTM D638
Tensile Elongation (Break)	40	%	ASTM D638, ISO 527-2
Flexural Modulus	2550	MPa	ASTM D790, ISO 178
Flexural Strength	93.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	9.0	kJ/m ²	ISO 179
Notched Izod Impact	96	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, not annealed	163	°C	ASTM D648
0.45 MPa, not annealed	160	°C	ISO 75-2/B
1.8 MPa, not annealed	124	°C	ASTM D648
1.8 MPa, not annealed	102	°C	ISO 75-2/A
CLTE - Flow	1.0E-4	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method

Surface Resistivity	1.0E+16 - 1.0E+17	ohms	ASTM D257
Volume Resistivity (23°C)	1.0E+15 - 1.0E+16	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.75 mm)	HB		UL 94

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