

Asahi Kasei Tenac®-C EX351 Acetal Copolymer, Extrusion Grade (discontinued **)

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Unreinforced

Material Notes:

High-viscosity grade amenable to extrusion.Applications: Extruded rods and sheets.This product is not a part of the standard product line dated 2003.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Asahi-Kasei-Tenac-C-EX351-Acetal-Copolymer-Extrusion-Grade-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	ASTM D792
Water Absorption	0.20 %	0.20 %	ASTM D570
Linear Mold Shrinkage	0.016 - 0.020 cm/cm	0.016 - 0.020 in/in	Asahi Chemical test
Melt Flow	2.8 g/10 min	2.8 g/10 min	melt index; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	78	78	ASTM D785
Tensile Strength, Ultimate	60.8 MPa	8820 psi	5 mm/min; parallel to flow; ASTM D638
Elongation at Break	75 %	75 %	5 mm/min; parallel to flow; ASTM D638
Flexural Yield Strength	88.0 MPa	12800 psi	ASTM D790
Flexural Modulus	2.60 GPa	377 ksi	ASTM D790
Izod Impact, Notched	0.780 J/cm	1.46 ft-lb/in	ASTM D256
Taber Abrasion, mg/1000 Cycles	14	14	ASTM D1044

Thermal Properties	Metric	English	Comments
CTE, linear	100 µm/m-°C	55.6 µin/in-°F	ASTM D696
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	158 °C	316 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	110 °C	230 °F	ASTM D648
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
Processing Temperature	180 - 200 °C	356 - 392 °F	Resin temp
Mold Temperature	40.0 - 80.0 °C	104 - 176 °F	

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