

Asahi Kasei Tenac®-C HC450 Copolymer Acetal Resin

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

Material Notes:

New Copolymer, the improvement of physical properties of standard grades Information provided by Asahi Kasei Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Asahi-Kasei-Tenac-C-HC450-Copolymer-Acetal-Resin.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.016 - 0.020 cm/cm	0.016 - 0.020 in/in	Asahi Kasei Method
Melt Flow	8.0 g/10 min	8.0 g/10 min	ISO 1133 D

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	69.0 MPa	10000 psi	ISO 527 - 1 & - 2
Elongation at Break	55 %	55 %	ISO 527 - 1 & - 2
Tensile Modulus	3.10 GPa	450 ksi	ISO 527 - 1 & - 2
Charpy Impact, Notched	0.700 J/cm ²	3.33 ft-lb/in ²	ISO 179 / 1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	160 °C	320 °F	ISO 75 - 1 & -2 flat
Deflection Temperature at 1.8 MPa (264 psi)	106 °C	223 °F	ISO 75 - 1 & -2 flat
Flammability, UL94	HB	HB	

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