

Asahi Kasei Tenac® 4012 Homopolymer Acetal Resin

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

Material Notes:

Medium viscosity grade, with reduced stiffness and increased elongation through addition of special polymers. Information provided by Asahi Kasei Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Asahi-Kasei-Tenac-4012-Homopolymer-Acetal-Resin.php

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.018 - 0.022 cm/cm	0.018 - 0.022 in/in	Asahi Kasei Method
Melt Flow	10 g/10 min	10 g/10 min	ISO 1133 D

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	66.0 MPa	9570 psi	ISO 527 - 1 & - 2
Elongation at Break	35 %	35 %	ISO 527 - 1 & - 2
Tensile Modulus	2.90 GPa	421 ksi	ISO 527 - 1 & - 2
Charpy Impact, Notched	1.00 J/cm ²	4.76 ft-lb/in ²	ISO 179 / 1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	151 °C	304 °F	ISO 75 - 1 & -2 flat
Deflection Temperature at 1.8 MPa (264 psi)	80.0 °C	176 °F	ISO 75 - 1 & -2 flat
Flammability, UL94	HB	HB	

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