

Asahi Kasei Tenac® 3013A Homopolymer Acetal Resin

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

Material Notes:

Weather-Resistant grade containing UV absorber and other additives for superior weathering ability. Information provided by Asahi Kasei Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Asahi-Kasei-Tenac-3013A-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	2.8 g/10 min	2.8 g/10 min	ISO 1133 D

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	70.0 MPa	10200 psi	ISO 527 - 1 & - 2
Elongation at Break	65 %	65 %	ISO 527 - 1 & - 2
Tensile Modulus	3.00 GPa	435 ksi	ISO 527 - 1 & - 2
Charpy Impact, Notched	1.30 J/cm ²	6.19 ft-lb/in ²	ISO 179 / 1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	163 °C	325 °F	ISO 75 -1 & -2 flat
Deflection Temperature at 1.8 MPa (264 psi)	92.0 °C	198 °F	ISO 75 -1 & -2 flat

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