

Asahi Kasei Tenac®-C GN455 Copolymer Acetal Resin

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, 30% Glass Fiber Reinforced

Material Notes:

25% Glass Fiber - filled, high-flow grade, with high stiffness and superior dimensional stability. Information provided by Asahi Kasei Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Asahi-Kasei-Tenac-C-GN455-Copolymer-Acetal-Resin.php

Physical Properties	Metric	English	Comments
Density	1.59 g/cc	0.0574 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	Asahi Kasei Method
Linear Mold Shrinkage, Transverse	0.010 - 0.012 cm/cm	0.010 - 0.012 in/in	Asahi Kasei Method
Melt Flow	4.0 g/10 min	4.0 g/10 min	ISO 1133 D

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	100 MPa	14500 psi	ISO 527 - 1 & - 2
Elongation at Break	2.0 %	2.0 %	ISO 527 - 1 & - 2
Tensile Modulus	8.30 GPa	1200 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)	165 °C	329 °F	ISO 75 - 1 & -2 flat
Deflection Temperature at 1.8 MPa (264 psi)	163 °C	325 °F	ISO 75 - 1 & -2 flat
Flammability, UL94	HB	HB	

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