

## Asahi Kasei Tenac® SH210 Homopolymer Acetal Resin

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

### Material Notes:

Super high-impact grade; highest molecular weight category. Information provided by Asahi Kasei Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Asahi-Kasei-Tenac-SH210-Homopolymer-Acetal-Resin.php](http://www.lookpolymers.com/polymer_Asahi-Kasei-Tenac-SH210-Homopolymer-Acetal-Resin.php)

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage	0.018 - 0.022 cm/cm	0.018 - 0.022 in/in	Asahi Kasei Method
Melt Flow	1.7 g/10 min	1.7 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	70 %	70 %	ISO 527 - 1 & - 2
Tensile Modulus	2.90 GPa	421 ksi	ISO 527 - 1 & - 2
Charpy Impact, Notched	1.50 J/cm <sup>2</sup>	7.14 ft-lb/in <sup>2</sup>	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)	95.0 °C	203 °F	ISO 75 - 1 & -2 flat
Flammability, UL94	HB	HB	

## Contact Songhan Plastic Technology Co.,Ltd.

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