

Polymer Resources AH-GP3 Acetal Homopolymer, High Flow Resin (Unverified Data**)

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

Material Notes:

Process: Injection Molding Notes: All physical, mechanical and thermal testing conducted on 1/8-inch thick, un-pigmented, test samples.

Information provided by Polymer Resources Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polymer-Resources-AH-GP3-Acetal-Homopolymer-High-Flow-Resin-nbspUnverified-Data.php

| Physical Properties | Metric | English | Comments |
|-----------------------|---------------------|---------------------------|------------|
| Density | 1.42 g/cc | 0.0513 lb/in ³ | ASTM D792 |
| Linear Mold Shrinkage | 0.018 - 0.021 cm/cm | 0.018 - 0.021 in/in | ASTM D955 |
| Melt Flow | 24 - 26 g/10 min | 24 - 26 g/10 min | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|------------|---------------|------------|
| Tensile Strength at Break | 67.6 MPa | 9800 psi | ASTM D638 |
| Tensile Strength, Yield | 67.6 MPa | 9800 psi | ASTM D638 |
| Flexural Strength | 94.80 MPa | 13750 psi | ASTM D790 |
| Flexural Modulus | 2.83 GPa | 410 ksi | ASTM D790 |
| Izod Impact, Notched | 0.641 J/cm | 1.20 ft-lb/in | ASTM D256 |
| Gardner Impact | >= 22.6 J | >= 16.7 ft-lb | ASTM D3029 |

| Thermal Properties | Metric | English | Comments |
|---|--------|---------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 166 °C | 330 °F | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 110 °C | 230 °F | ASTM D648 |
| Flammability, UL94 | HB | HB | 1/16 in |

| Processing Properties | Metric | English | Comments |
|---------------------------|--------------|--------------|----------|
| Rear Barrel Temperature | 193 - 204 °C | 380 - 400 °F | |
| Middle Barrel Temperature | 196 - 207 °C | 385 - 405 °F | |
| Front Barrel Temperature | 199 - 210 °C | 390 - 410 °F | |
| Melt Temperature | 199 - 210 °C | 390 - 410 °F | |

| Processing Properties | Metric | English | Comments |
|-----------------------|----------------|--------------|----------|
| Mold Temperature | 79.4 - 98.9 °C | 175 - 210 °F | |
| Drying Temperature | 76.7 - 82.2 °C | 170 - 180 °F | |
| Dry Time | 2 - 4 hour | 2 - 4 hour | |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China