

Aclo Accucomp Polyacetal (POM) ACE091L High Viscosity

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

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aclo-Accucomp-Polyacetal-POM-ACE091L-High-Viscosity.php

| Physical Properties | Metric | English | Comments |
|-----------------------|--------------|---------------------------|------------|
| Density | 1.41 g/cc | 0.0509 lb/in ³ | ASTM D792 |
| Linear Mold Shrinkage | 0.022 cm/cm | 0.022 in/in | ASTM D955 |
| Melt Flow | 2.5 g/10 min | 2.5 g/10 min | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|------------|---------------|-----------|
| Hardness, Rockwell R | 78 | 78 | ASTM D785 |
| Tensile Strength, Yield | 61.5 MPa | 8920 psi | ASTM D638 |
| Elongation at Break | 65 % | 65 % | ASTM D638 |
| Flexural Strength | 89.98 MPa | 13050 psi | ASTM D790 |
| Flexural Modulus | 2.619 GPa | 379.9 ksi | ASTM D790 |
| Izod Impact, Notched | 0.747 J/cm | 1.40 ft-lb/in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|--------|---------|-----------|
| Melting Point | 165 °C | 329 °F | ASTM D789 |
| Deflection Temperature at 0.46 MPa (66 psi) | 158 °C | 316 °F | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 110 °C | 230 °F | |

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