

Aclo Accuguard Polypropylene HP1369V2CSL Homopolymer Flame Retardant Copper Stabilized

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Flame Retardant

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aclo-Accuguard-Polypropylene-HP1369V2CSL-Homopolymer-Flame-Retardant-Copper-Stabilized.php

| Physical Properties | Metric | English | Comments |
|-----------------------|-------------|---------------------------|------------|
| Density | 0.940 g/cc | 0.0340 lb/in ³ | ASTM D792 |
| Linear Mold Shrinkage | 0.014 cm/cm | 0.014 in/in | ASTM D955 |
| Melt Flow | 24 g/10 min | 24 g/10 min | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|-----------|-----------|-----------|
| Tensile Strength at Break | 300 MPa | 43500 psi | ASTM D638 |
| Tensile Strength, Yield | 32.0 MPa | 4640 psi | ASTM D638 |
| Tensile Modulus | 1.100 GPa | 159.5 ksi | ASTM D638 |
| Flexural Strength | 39.0 MPa | 5660 psi | ASTM D790 |
| Flexural Modulus | 1.300 GPa | 188.5 ksi | ASTM D790 |

| Thermal Properties | Metric | English | Comments |
|---|---------------------------|-----------------------------|-----------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 87.8 °C | 190 °F | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 52.2 °C | 126 °F | |
| UL RTI, Electrical | 110 °C | 230 °F | |
| UL RTI, Mechanical with Impact | 110 °C | 230 °F | |
| UL RTI, Mechanical without Impact | 110 °C | 230 °F | |
| Flammability, UL94 | V-2 @Thickness 1.59 mm | V-2 @Thickness 0.0625 in | UL File #E99379 |

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