

Tipco Tipcolene® PPC FR V0 - UL94-V0 Flame Retardant Polypropylene Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

V-0 Flame Retardant PP Copolymer Applications: Electrical & Appliances Processing: Injection Molding Information provided by the Manufacturer, Tipco Industries Ltd., India.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tipco-Tipcolene-PPC-FR-V0-UL94-V0-Flame-Retardant-Polypropylene-Copolymer.php

| Physical Properties | Metric | English | Comments |
|-----------------------|--------------|---------------------------|------------|
| Density | 1.17 g/cc | 0.0423 lb/in ³ | ASTM D792 |
| Linear Mold Shrinkage | 0.016 cm/cm | 0.016 in/in | ASTM D955 |
| Melt Flow | 8.0 g/10 min | 8.0 g/10 min | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|------------------------|----------------------------|-----------|
| Tensile Strength, Yield | 22.0 MPa | 3190 psi | ASTM D638 |
| Elongation at Break | >= 50 % | >= 50 % | ASTM D638 |
| Flexural Yield Strength | 28.0 MPa | 4060 psi | ASTM D790 |
| Izod Impact, Notched (ISO) | 7.00 kJ/m ² | 3.33 ft-lb/in ² | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|---------------------------|----------------------------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 110 °C | 230 °F | ASTM D648 |
| Flammability, UL94 | V-0 @Thickness 3.20 mm | V-0 @Thickness 0.126 in | |

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