

Tipco Tipcolene® FX 6000 - UL94-V0 Flame Retardant & Mineral Reinforced Polypropylene Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Mineral Reinforced V0 Flame Retardant PP Copolymer Applications: Modular Switches 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-FX-6000-UL94-V0-Flame-Retardant-Mineral-Reinforced-Polypropylene-Copolymer.php

| Physical Properties | Metric | English | Comments |
|-----------------------|-------------|---------------------------|------------|
| Density | 1.26 g/cc | 0.0455 lb/in ³ | ASTM D792 |
| Linear Mold Shrinkage | 0.010 cm/cm | 0.010 in/in | ASTM D955 |
| Melt Flow | 10 g/10 min | 10 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 | 29.5 MPa | 4280 psi | ASTM D790 |
| Flexural Modulus | 1.96 GPa | 284 ksi | ASTM D790 |
| Izod Impact, Notched (ISO) | 10.0 kJ/m ² | 4.76 ft-lb/in ² | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|--------------------|---------------------------|----------------------------|----------|
| Flammability, UL94 | V-0 @Thickness 3.20 mm | V-0 @Thickness 0.126 in | |
| Oxygen Index | 28 % | 28 % | ISO 4589 |

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