

## Tipco Tipcolene® FX 4002 - UL94-V2 Flame Retardant Polypropylene Copolymer Compound with High Impact Strength

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

V-2 Flame Retardant PP Copolymer with High Impact Strength  
Applications: Battery Lids  
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-4002-UL94-V2-Flame-Retardant-Polypropylene-Copolymer-Compound-with-High-Impact-Strength.php](http://www.lookpolymers.com/polymer_Tipco-Tipcolene-FX-4002-UL94-V2-Flame-Retardant-Polypropylene-Copolymer-Compound-with-High-Impact-Strength.php)

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage	0.013 cm/cm	0.013 in/in	ASTM D955
Melt Flow	10 g/10 min	10 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	20.5 MPa	2970 psi	ASTM D638
Elongation at Break	>= 75 %	>= 75 %	ASTM D638
Flexural Yield Strength	28.0 MPa	4060 psi	ASTM D790
Flexural Modulus	1.37 GPa	199 ksi	ASTM D790
Izod Impact, Notched (ISO)	12.0 kJ/m <sup>2</sup>	5.71 ft-lb/in <sup>2</sup>	ASTM D256

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-2 @Thickness 3.20 mm	V-2 @Thickness 0.126 in	
Oxygen Index	24 %	24 %	ISO 4589

## Contact Songhan Plastic Technology Co.,Ltd.

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