

## Shinkong Synthetic Fibers Shinite<sup>®</sup> PP4220 PP, High Impact, Fire Retardant

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Flame Retardant , Polypropylene, Impact Modified; Molded/Extruded

**Material Notes:**

Information from Shinkong Synthetic Fibers Corp.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Shinkong-Synthetic-Fibers-Shinite-PP4220-PP-High-Impact-Fire-Retardant.php](http://www.lookpolymers.com/polymer_Shinkong-Synthetic-Fibers-Shinite-PP4220-PP-High-Impact-Fire-Retardant.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.940 g/cc	0.940 g/cc	ASTM D792
Water Absorption	0.050 %	0.050 %	ASTM D570
Linear Mold Shrinkage, Flow	0.014 - 0.016 cm/cm	0.014 - 0.016 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.014 - 0.016 cm/cm	0.014 - 0.016 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength	26.5 MPa	3840 psi	ASTM D638
Elongation at Break	20 %	20 %	ASTM D638
Flexural Yield Strength	28.4 MPa	4120 psi	ASTM D790
Flexural Modulus	0.981 GPa	142 ksi	ASTM D790
Izod Impact, Notched	0.981 J/cm @Thickness 3.17 mm, Temperature 23.0 Å°C	1.84 ft-lb/in @Thickness 0.125 in, Temperature 73.4 Å°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	115 Å°C	239 Å°F	ASTM D648
Flammability, UL94	V-2	V-2	

## Contact Songhan Plastic Technology Co.,Ltd.

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