



## S-152 HPP FIBER PHYSICAL PROPERTIES

Synthetic Industries' S-152 High Performance Polymer Fiber is extruded from 100% virgin polypropylene and mechanically deformed in a proprietary shape to maximise anchorage for reinforcement in cementitious composites. The Fiber is collated in small bundles for rapid introduction into wet, cementitious mixtures. Fiber bundles are packaged in 9 kg [20 lb.] cartons and palletised for commercial shipment. Other typical relevant properties are as follows:

PROPERTY	VALUE
Specific Gravity	0.91
Nominal Filament Diameter	0.9 mm [0.035 in.]
Fiber Lengths	30; 40; 50 mm [1.18; 1.57; 1.97 in.]
Denier [grams/9000M]	6000
Deformation Spacing	3/cm [7/in.]
Elastic Modulus	3500 N/mm <sup>2</sup> [500,000 psi]
Ultimate Elongation	15%
Water Absorption	0
Melting Temperature	175°C [350° F]
Ignition Temperature	360°C [680° F]
Acid/Alkali Resistance	High
Thermal Conductivity	0.2 W/mK @ 20° C
Electrical Conductivity	Very Low



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### Liability Statement

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