

## A. Schulman POLYFORT™ FPP 1427 Mineral Filled Copolymer Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Mineral Reinforced

**Material Notes:**

Description Polyfort® FPP 1427 is a 25% mineral filled copolymer polypropylene. Information provided by A. Schulman.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_A-Schulman-POLYFORT-FPP-1427-Mineral-Filled-Copolymer-Polypropylene.php](http://www.lookpolymers.com/polymer_A-Schulman-POLYFORT-FPP-1427-Mineral-Filled-Copolymer-Polypropylene.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.09 g/cc	1.09 g/cc	ASTM D792
Melt Flow	5.0 g/10 min @Temperature 230 °C	5.0 g/10 min @Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	87	87	ASTM D785
Tensile Strength, Yield	25.2 MPa	3650 psi	2 in/min; ASTM D638
Elongation at Yield	40 %	40 %	at max load; ASTM D638
Flexural Modulus	1.93 GPa	280 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm	1.00 ft-lb/in	ASTM D256
Izod Impact, Unnotched	10.7 J/cm	20.0 ft-lb/in	ASTM D256
Gardner Impact	7.23 J	5.33 ft-lb	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	118 °C	245 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	68.9 °C	156 °F	ASTM D648

### Contact Songhan Plastic Technology Co.,Ltd.

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