

## North Wood Plastics Polypropylene with 20% Wood Fiber, Extrusion Grade

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Wood Filled

**Material Notes:**

Data provided by North Wood Plastics, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_North-Wood-Plastics-Polypropylene-with-20-Wood-Fiber-Extrusion-Grade.php](http://www.lookpolymers.com/polymer_North-Wood-Plastics-Polypropylene-with-20-Wood-Fiber-Extrusion-Grade.php)

Physical Properties	Metric	English	Comments
Density	0.951 g/cc	0.0344 lb/in <sup>3</sup>	ASTM D792
Melt Flow	<= 0.50 g/10 min @Temperature 190 °C	<= 0.50 g/10 min @Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	32.0 MPa	4640 psi	ASTM D638
Tensile Modulus	2.70 GPa	392 ksi	ASTM D638
Flexural Yield Strength	56.0 MPa	8120 psi	ASTM D790
Flexural Modulus	2.50 GPa	363 ksi	ASTM D790
Izod Impact, Notched	0.460 J/cm	0.862 ft-lb/in	ASTM D256
Izod Impact, Unnotched	2.00 J/cm	3.75 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	63.0 µm/m-°C @Temperature 20.0 °C	35.0 µin/in-°F @Temperature 68.0 °F	
Deflection Temperature at 1.8 MPa (264 psi)	71.0 °C	160 °F	ASTM D648

Processing Properties	Metric	English	Comments
Processing Temperature	<= 200 °C	<= 392 °F	To prevent fiber degradation.

## Contact Songhan Plastic Technology Co.,Ltd.

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