

North Wood Plastics Polypropylene with 40% 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-40-Wood-Fiber-Extrusion-Grade.php

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in ³	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, Ultimate	27.0 MPa	3920 psi	ASTM D638
Tensile Strength, Yield	31.0 MPa	4500 psi	ASTM D638
Elongation at Break	6.2 %	6.2 %	ASTM D638
Tensile Modulus	3.90 GPa	566 ksi	ASTM D638
Flexural Yield Strength	54.0 MPa	7830 psi	ASTM D790
Flexural Modulus	3.90 GPa	566 ksi	ASTM D790
Izod Impact, Notched	0.250 J/cm	0.468 ft-lb/in	ASTM D256
Izod Impact, Unnotched	1.00 J/cm	1.87 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	50.0 µm/m-°C @Temperature 20.0 °C	27.8 µin/in-°F @Temperature 68.0 °F	
Deflection Temperature at 1.8 MPa (264 psi)	94.0 °C	201 °F	ASTM D648

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

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