

North Wood Plastics Polypropylene with 60% 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-60-Wood-Fiber-Extrusion-Grade.php

Physical Properties	Metric	English	Comments
Density	1.142 g/cc	0.04126 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	21.0 MPa	3050 psi	ASTM D638
Elongation at Break	1.2 %	1.2 %	ASTM D638
Tensile Modulus	6.00 GPa	870 ksi	ASTM D638
Flexural Yield Strength	42.0 MPa	6090 psi	ASTM D790
Flexural Modulus	4.90 GPa	711 ksi	ASTM D790
Izod Impact, Unnotched	0.490 J/cm	0.918 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	36.0 µm/m-°C @Temperature 20.0 °C	20.0 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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