

GEHR Plastics ECOGEHR® WPC-30PP Composite of 70% Wood Fibers and 30% Polypropylene (PP)

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

Material Notes:

Wood-polymer-composites (WPC) - these materials are composites of standard polymers and wood fibers. The excellent binding of the wood fibers to the polymer gives the materials extremely high mechanical strength. The materials are weather-resistant and can optionally be given anti-bacterial, fungicidal and UV resistant properties. Information provided by GEHR Plastics, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_GEHR-Plastics-ECOGEHR-WPC-30PP-Composite-of-70-Wood-Fibers-and-30-Polypropylene-PP.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	29.8 MPa	4320 psi	ASTM D1708
Elongation at Break	1.6 %	1.6 %	ASTM D1708
Modulus of Elasticity	5.18 GPa	751 ksi	ASTM D638
Izod Impact, Unnotched (ISO)	3.78 kJ/m ²	1.80 ft-lb/in ²	ASTM D256

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	85.0 °C	185 °F	

Descriptive Properties	Value	Comments
Industrially Biodegradable	No	
Renewable Content (%)	70	

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