

Cyclewood Solutions Xylomer™ XM2-FPC Sustainable Injection Molding Resin

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic

Material Notes:

100% biodegradable and compostable thermoplastic. The sustainable bio-based resin properties perform between polypropylene and polystyrene. Xylomer™ is modified lignin, an abundant, natural byproduct of the paper manufacturing process, blended with other compostable polymers. Xylomer™ pellets have been demonstrated in injection molding and vacuum forming processes to create samples of cups and bowls. Information provided by Cyclewood Solutions.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cyclewood-Solutions-Xylomer-XM2-FPC-Sustainable-Injection-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	1.068 g/cc	0.03858 lb/in ³	
Melt Flow	15.6 g/10 min @Temperature 230 °C	15.6 g/10 min @Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength	28.17 MPa	4085 psi	
Elongation at Break	3.0 %	3.0 %	
Flexural Modulus	1.72 GPa	250 ksi	
Izod Impact, Notched	0.374 J/cm	0.700 ft-lb/in	

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