

Cyclewood Solutions Xylomer™ XM2-JNA 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-JNA-Sustainable-Injection-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in ³	
Melt Flow	33.9 g/10 min @Temperature 230 °C	33.9 g/10 min @Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength	29.04 MPa	4212 psi	
Elongation at Break	1.8 %	1.8 %	
Flexural Modulus	2.00 GPa	290 ksi	
Izod Impact, Notched	0.214 J/cm	0.400 ft-lb/in	

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