

## Cyclewood Solutions Xylomer™ XM1-LA Injection Molding Compostable Resin

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic

### Material Notes:

100% biodegradable and compostable thermoplastic. The compostable resin blend performs well compared to LDPE and is BPI certified compostable under ASTM D-6400. 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-XM1-LA-Injection-Molding-Compostable-Resin.php](http://www.lookpolymers.com/polymer_Cyclewood-Solutions-Xylomer-XM1-LA-Injection-Molding-Compostable-Resin.php)

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in <sup>3</sup>	
Melt Flow	26.3 g/10 min @Temperature 190 °C	26.3 g/10 min @Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength	11.64 MPa	1688 psi	
Elongation at Break	3.7 %	3.7 %	
Flexural Modulus	0.848 GPa	123 ksi	
Izod Impact, Notched	0.694 J/cm	1.30 ft-lb/in	

## Contact Songhan Plastic Technology Co.,Ltd.

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