

Cyclewood Solutions Xylomer™ XM1-GQD Compostable Film Resin

Category : Polymer , Film , 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. The main benefit of using Xylomer™ technology is that Xylobag™ bags break down into humus in approximately 180 days once it has reached the natural environment, improving soil structure and leaving a cleaner environment. With government regulation restricting the use of harmful high-density polyethylene bags, the Xylobag™ provides retailers with a viable, cheap bag alternative. The Xylobag™ allows consumers to eliminate unsightly plastic litter from their communities. Information provided by Cyclewood Solutions.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cyclewood-Solutions-Xylomer-XM1-GQD-Compostable-Film-Resin.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|---------------|----------|
| Density | 1.21 g/cc | 0.0437 lb/in³ | |

| Mechanical Properties | Metric | English | Comments |
|------------------------------------|-----------|----------|----------|
| Film Elongation at Break, MD | 263 % | 263 % | |
| Film Elongation at Break, TD | 382 % | 382 % | |
| Elmendorf Tear Strength MD | 204 g | 204 g | |
| Elmendorf Tear Strength TD | 706 g | 706 g | |
| Dart Drop Test | 118 g | 0.260 lb | |
| Film Tensile Strength at Break, MD | 14.36 MPa | 2083 psi | |
| Film Tensile Strength at Break, TD | 10.85 MPa | 1574 psi | |

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