

Metabolix M-vera,ç B5008 Film Grade Compostable Bioplastic

Category : Polymer , Film , Renewable/Recycled Polymer , Thermoplastic

Material Notes:

B5008 is a compostable film product with 30% biobased carbon content that is ideal for compost bags and can liners used for organic waste diversion and for shopping and retail bags. Features: Meets requirements of EN 13432 Certified as "compostable" by Vinçotte Designed for blown/cast film processing Excellent melt strength Very good drawdown stability Tough, tear-resistant film Good barrier to water vapor, oxygen and odor Good adhesion with other compostable polymers Property data for blown films; properties vary markedly with processing conditions.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Metabolix-M-vera-B5008-Film-Grade-Compostable-Bioplastic.php

| Physical Properties | Metric | English | Comments |
|-----------------------------|--|---|-------------------------------------|
| Specific Gravity | 1.30 g/cc | 1.30 g/cc | ASTM D792 |
| Moisture Vapor Transmission | 3.54 cc-mm/m ² -24hr-atm @Temperature 37.8 Å°C | 9.00 cc-mil/100 in ² -24hr-atm @Temperature 100 Å°F | 100% RH; ASTM F1249-01 |
| Oxygen Transmission | 31.5 cc-mm/m ² -24hr-atm | 80.0 cc-mil/100 in ² -24hr-atm | ASTM D3985 |
| Viscosity | 600 cP @Shear Rate 50.0 1/s, Temperature 190 Å°C | 600 cP @Shear Rate 50.0 1/s, Temperature 374 Å°F | Apparent melt viscosity; ASTM D3835 |
| Thickness | 20.0 microns | 0.787 mil | As tested |

| Mechanical Properties | Metric | English | Comments |
|------------------------------------|---------------|-----------|------------|
| Film Elongation at Break, MD | 240 % | 240 % | ASTM D882 |
| Film Elongation at Break, TD | 260 % | 260 % | ASTM D882 |
| Secant Modulus, MD | 0.180 GPa | 26.1 ksi | ASTM D882 |
| Secant Modulus, TD | 0.160 GPa | 23.2 ksi | ASTM D882 |
| Coefficient of Friction, Static | 0.25 | 0.25 | ASTM D1894 |
| Elmendorf Tear Strength, MD | 9.84 g/micron | 250 g/mil | ASTM D1922 |
| Elmendorf Tear Strength, TD | 17.3 g/micron | 440 g/mil | ASTM D1922 |
| Dart Drop | 6.69 g/micron | 170 g/mil | ASTM D1709 |
| Film Tensile Strength at Break, MD | 25.0 MPa | 3630 psi | ASTM D882 |

| Film Tensile Strength at Break, TD Mechanical Properties | 21.0 MPa Metric | 3050 psi English | ASTM D882 Comments |
|---|--------------------|---------------------|-----------------------|
|---|--------------------|---------------------|-----------------------|

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China