

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