



ecovio® T2308

BASF Corporation - Copolyester

Sunday, November 3, 2019

General Information

Product Description

ecovio® T 2308 is a biodegradable film product containing renewable resources. It is basically a compound of our biodegradable copolyester ecoflex® and polylactic acid (PLA). Because of the PLA content ecovio® T 2308 consists of 80% of renewable resources. PLA is the continuous phase in the structure of ecovio® T 2308 transferring the beneficial properties of ecoflex® into the new product.

General

Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Features	• Biodegradable • Compostable • Food Contact Acceptable • Good Printability	• Good Processability • Good Thermal Stability • High Melt Strength • High Stiffness	• High Strength • Renewable Resource Content • Semi Crystalline
Uses	• Film	• Packaging	• Sheet
Agency Ratings	• ASTM D6400 • DIN EN 13432 • EC 1907/2006 (REACH)	• EU 2002/72/EC • FDA FCN 178 • FDA FCN 475	• FDA FCN 907
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Forms	• Pellets		
Processing Method	• Sheet Extrusion		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.24 to 1.26	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/5.0 kg)	7.50 to 11.5	cm ³ /10min	ISO 1133
Films	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-3
MD : 39 mil	389000	psi	
TD : 39 mil	325000	psi	
Tensile Strength			ISO 527-3
MD : 39 mil	8120	psi	
TD : 39 mil	5800	psi	
Tensile Stress			ISO 527-3
MD : Break, 39 mil	3920	psi	
TD : Break, 39 mil	2900	psi	
Tensile Elongation			ISO 527-3
MD : Break, 39 mil	56	%	
TD : Break, 39 mil	38	%	
Water Vapor Transmission Rate (39 mil)	0.25	g/100 in ² /24 hr	ASTM F1249
Oxygen Permeability (39.4 mil)	32	cm ³ /m ² /bar/24 hr	ASTM D3985
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	131	°F	ISO 306/B50
Melting Temperature			DSC
-- ²	230 to 248	°F	
-- ³	284 to 311	°F	

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Additional Information	Nominal Value	Unit
Renewable Content	> 80	%

Notes

- ¹ Typical properties: these are not to be construed as specifications.
- ² ecoflex®
- ³ PLA