

Ecovio® T2308

Copolyester

BASF Corporation

Message:

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 Information			
Features	Biodegradable		
	Compostable		
	Excellent Printability		
	Food Contact Acceptable		
	Good Melt Strength		
	Good Processability		
	Good Stiffness		
	Good Thermal Stability		
	High Strength		
	Renewable Resource Content		
	Semi Crystalline		
Uses	Film		
	Packaging		
Agency Ratings	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		
Physical	Nominal Value	Unit	Test Method
Density	1.24 to 1.26	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/5.0 kg)	7.50 to 11.5	cm³/10min	ISO 1133
Films	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-3

MD : 1000 μm	2680	MPa	
TD : 1000 μm	2240	MPa	
Tensile Stress			ISO 527-3
MD : Break, 1000 μm	27.0	MPa	
TD : Break, 1000 μm	20.0	MPa	
MD : 1000 μm	56.0	MPa	
TD : 1000 μm	40.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 1000 μm	56	%	
TD : Break, 1000 μm	38	%	
Water Vapor Transmission Rate (1000 μm)	3.8	$\text{g/m}^2/24 \text{ hr}$	ASTM F1249
Oxygen Permeability (1.00 mm)	32	$\text{cm}^3/\text{m}^2/\text{bar}/24 \text{ hr}$	ASTM D3985
Renewable Content	80	%	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	55.0	$^{\circ}\text{C}$	ISO 306/B50
Melting Temperature			DSC
-- ¹	110 to 120	$^{\circ}\text{C}$	
-- ²	140 to 155	$^{\circ}\text{C}$	
NOTE			
1.	ecoflex®		
2.	PLA		

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