Ecovio® F2332

Copolyester

BASF Corporation

Message:

ecovio® F2332 is our new biodegradable film product containing 18% renewable resources. It is basically a compound of our biodegradable copolyester ecoflex® F Blend and polylactic acid (PLA). Due to its outstanding mechanical strength ecovio® F2332 offers a great down gauging potential needed for thin film applications like garbage bags, organic waste bags, T-shirt bags, agricultural film etc. ecovio® F2332 already contains antiblocking and slip agents required for easy processing on film extrusion and film conversion equipment. ecoflex® F Blend is the continuous phase in the structure of ecovio® F2332 transferring the beneficial film properties of ecoflex® F Blend into the new product.

General Information	
Additive	Antiblock Slip
Features	Antiblocking Biodegradable Broad Seal Range Compostable Good Melt Strength Good Processability Good Thermal Stability High Strength Renewable Resource Content Semi Crystalline Slip Weldable
Uses	Agricultural Applications Bags Blown Film
Agency Ratings	DIN EN 13432 EC 1907/2006 (REACH)
RoHS Compliance	RoHS Compliant
Appearance	Translucent
Forms	Pellets
Processing Method	Blown Film

Physical	Nominal Value	Unit	Test Method
Density	1.24 to 1.26	g/cm³	ISO 1183
Apparent Density	0.78	g/cm³	ISO 60

Melt Volume-Flow Rate (MVR) (190°C/5.0 kg)	7.00 to 11.0	cm^3/10min	ISO 1133
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	30	µm	
Tensile Modulus			ISO 527-3
MD : 30 µm, Blown Film	300	MPa	
TD : 30 µm, Blown Film	180	MPa	
Tensile Stress			ISO 527-3
MD : Break, 30 µm, Blown Film	30.0	MPa	
TD : Break, 30 µm, Blown Film	30.0	MPa	
MD : 30 µm, Blown Film	15.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 30 µm, Blown Film	420	%	
TD : Break, 30 µm, Blown Film	480	%	
Dart Drop Impact (30 µm, Blown Film)	650	g	ASTM D1709A
Water Vapor Transmission Rate			ASTM F1249
23°C, 50% RH, 30 µm, Blown Film	120	g/m^2/24 hr	
38°C, 90% RH, 30 µm, Blown Film	600	g/m^2/24 hr	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Melting Temperature			DSC
-- [1]	110 to 120	°C	
-- [2]	140 to 155	°C	
Additional Information	**Nominal Value**	**Unit**	
Renewable Content	18	%	
NOTE			
1.	ecoflex®		
2.	PLA		

Recommended distributors for this material

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