

BioCeres® BC-LBE03

Biodegradable Polymers

FuturaMat

Message:

BC-LBE03 is an agromaterial descending from the BioCérès range. It is a wheat flour-based product. BC-LBE03 is 100% biodegradable and from renewable ressources.

General Information			
Features	Biodegradable		
	Compostable		
	Renewable Resource Content		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.22 to 1.34	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (170°C/2.16 kg)	2.9 to 8.5	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	70 to 85		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2130 to 2930	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	20.0 to 34.0	MPa	
Break	14.0 to 24.0	MPa	
Tensile Strain (Yield)	1.1 to 1.9	%	ISO 527-2
Flexural Modulus	2250 to 3450	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	8.0 to 16	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	35.0 to 43.0	°C	ISO 75-2/A

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