

PolyCeres® PC-EBI01

Biodegradable Polymers

FuturaMat

Message:

PC-EBI01 is an agromaterial descending from the PolyCérés range. PC-EBI01 is a biofragmentable Polyethylene and wheat flour-based product.

General Information			
Features	Biodegradable		
	Renewable Resource Content		
Forms	Pellets		
Processing Method	Calendering		
Physical	Nominal Value	Unit	Test Method
Density	1.09 to 1.21	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (170°C/2.16 kg)	1.0 to 3.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	53 to 63		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	720 to 1000	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	12.0 to 20.0	MPa	
Break	12.0 to 20.0	MPa	
Tensile Strain (Yield)	4.1 to 6.9	%	ISO 527-2
Flexural Modulus	620 to 960	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	12 to 22	kJ/m ²	ISO 179

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