

BioFibra® BF-LHE01

Biodegradable Polymers

FuturaMat

Message:

BF-LHE01 is an agromaterial descending from the BioFibra® range. BF-LHE01 is a wood fibers (beech)-based product an is 100% from renewable ressources.

General Information			
Features	Biodegradable		
	Renewable Resource Content		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20 to 1.32	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.9 to 15	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	73 to 87		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2390 to 3310	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	22.0 to 36.0	MPa	
Break	14.0 to 22.0	MPa	
Tensile Strain (Yield)	1.2 to 2.0	%	ISO 527-2
Flexural Modulus	2140 to 3980	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	10 to 20	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	36.0 to 44.0	°C	ISO 75-2/A

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