

PolyFibra® PF-AHD01

Acrylonitrile Butadiene Styrene

FuturaMat

Message:

PF-AHD01 is an agromaterial descending from the PolyFibra range. PF-AHD01 is an Acrylonitrile Butadiene Styrene and wood fibers (beech)-based product.

General Information			
Filler / Reinforcement	Wood Fiber		
Features	Biodegradable		
	Renewable Resource Content		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04 to 1.16	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	17 to 31	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	70 to 84		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2010 to 2710	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	22.0 to 38.0	MPa	
Break	22.0 to 38.0	MPa	
Tensile Strain (Yield)	1.6 to 2.6	%	ISO 527-2
Flexural Modulus	2270 to 3470	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	8.0 to 14	kJ/m ²	ISO 179

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