

PolyFibra® PF-PEI02

Polypropylene

FuturaMat

Message:

PF-PEI02 is an agromaterial descending from the PolyFibra range. PF-PEI02 is a Polypropylene strongly reinforced by wood fibers (spruce).

General Information			
Filler / Reinforcement	Wood Fiber		
Features	Biodegradable		
	Renewable Resource Content		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.03 to 1.13	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.50 to 1.7	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	66 to 80		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2640 to 3640	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	27.0 to 45.0	MPa	
Break	27.0 to 45.0	MPa	
Tensile Strain (Yield)	2.0 to 3.4	%	ISO 527-2
Flexural Modulus	3250 to 5090	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	10 to 18	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	79.0 to 87.0	°C	ISO 75-2/A

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