

# PolyFibra® PF-PEF05

Polypropylene

FuturaMat

## Message:

PF-PEF05 is an agromaterial descending from the PolyFibra range. PF-PEF05 is a Polypropylène and wood fibers (spruce)-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	0.960 to 1.06	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.1 to 9.5	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	62 to 74		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1750 to 2410	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	25.0 to 41.0	MPa	
Break	23.0 to 39.0	MPa	
Tensile Strain (Yield)	3.7 to 6.1	%	ISO 527-2
Flexural Modulus	1760 to 2740	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	14 to 26	kJ/m <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	68.0 to 76.0	°C	ISO 75-2/A

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## Recommended distributors for this material

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