

Fasal® BIO 322

Biodegradable Polymers

Fasal Wood KG

Message:

Fasal BIO 322 is a wood based material for injection moulding applications.

General Information			
Filler / Reinforcement	Wood fiber		
Features	Updatable resources		
	Biodegradable		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.28	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4930	MPa	ISO 527-2
Tensile Stress (Break)	51.5	MPa	ISO 527-2
Tensile Strain (Break)	1.3	%	ISO 527-2
Flexural Modulus	4640	MPa	ISO 178
Flexural Stress	78.9	MPa	ISO 178
Flexural Strain	1.2	%	ISO 178
Renewable Content	100	%	
Biobased Content	100	%	
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	8.7	kJ/m ²	ISO 179/1fU
Injection	Nominal Value	Unit	
Drying Temperature	70.0	°C	
Drying Time	4.0	hr	
Rear Temperature	170	°C	
Middle Temperature	180	°C	
Front Temperature	180	°C	
Nozzle Temperature	190	°C	
Mold Temperature	10.0 - 30.0	°C	
Injection instructions			

Screw speed: 60 - 70% of maximumDynamic pressure: 40% of maximumInjection pressure: approx. 20 % higher than with plastics

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Recommended distributors for this material

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