

BIO4-PLA320



Descrição do Produto | Product Description

O composto BIO4-PLA320 é um ácido polilático reforçado com 20% (w/w) de fibra de cânhamo.

BIO4-PLA320 compound is a Polylactic Acid reinforced with 20% (w/w) of hemp fiber.



Properties	Method	Value	Unit
Physical			
Melt Flow Rate (230°C/2.16 kg)	ISO 1133	17.2	g/10 min
Density	ISO 1181-1	1.27	g/cm ³
Mechanical			
Tensile Strength (50 mm/min)	ISO 527-1/-2	40	Mpa
Tensile Strain at Break (50 mm/min)	ISO 527-1/-2	3.9	%
Tensile Modulus (1 mm/min)	ISO 527-1/-2	3203	Mpa
Izod Impact Strength	ISO 180/U	11.6	kJ/m ²
Izod Impact Strength, notched	ISO 180	3.7	kJ/m ²
Thermal			
Heat Deflection Temperature 1.8 MPa	ISO 75-1/-2	51	°C
Melting temperature	ISO 11357-2	60.73	°C

Processing Conditions

Product dehumidification is recommended before application.
Temperature/Time: 75-85°C/2-4h

Recommended melt temperature: 180-200 °C

Recommended mould temperature: 80-100 °C

Storage

Should be stored in a sealed container in a dry location away from heat.

Os parâmetros apresentados são típicos deste produto, mas deve ser considerado o equipamento/máquina a utilizar e o tipo de peça que irá ser moldada.

These parameters are typical of the product but should be related to the type of machinery used and to the type of moulded part.

Não ingerir. | Do not ingest.