

BIO4-PLA520



Descrição do Produto | Product Description

O composto BIO4-PLA520 é um ácido polilático reforçado com 20% (w/w) de celulose de cânhamo.

BIO4-PLA520 compound is a Polylactic Acid reinforced with 20% (w/w) of hemp cellulose.



| Properties | Method | Value | Unit |
|-------------------------------------|--------------|-------|-------------------|
| Physical | | | |
| Melt Flow Rate (230°C/2.16 kg) | ISO 1133 | 13.5 | g/10 min |
| Density | ISO 1181-1 | 1.28 | g/cm ³ |
| Mechanical | | | |
| Tensile Strength (50 mm/min) | ISO 527-1/-2 | 37 | Mpa |
| Tensile Strain at Break (50 mm/min) | ISO 527-1/-2 | 4.5 | % |
| Tensile Modulus (1 mm/min) | ISO 527-1/-2 | 3559 | Mpa |
| Izod Impact Strength | ISO 180/U | 10.2 | kJ/m ² |
| Izod Impact Strength, notched | ISO 180 | 4.4 | kJ/m ² |
| Thermal | | | |
| Heat Deflection Temperature 1.8 MPa | ISO 75-1/-2 | 52 | °C |
| Melting temperature | ISO 11357-2 | 60.55 | °C |

Processing Conditions

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

Recommended melt temperature: 250-290 °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.