

- Local origin
- Derived from Renewable plant resources
- Biodegradable
- 100% recycled PLA

INJECTION MOULDING GRADES

PERFORMANCES

- Rigidity
- Masterbatch coloring
- Hot welding and ultrasonic sealing
- Negligible shrinkage release
- Natural look and feel
- Excellent printability



EXTRUSION THERMOFORMING GRADES

PERFORMANCES

- Rigidity
- Masterbatch coloring
- Hot welding and ultrasonic sealing
- Negligible shrinkage release
- Natural look and feel
- Excellent printability

Fields of applications



Toys & Games



Horticulture



Pieces of equipment



Furnitures



Promotional items



Construction

CERTIFICATIONS

BioFibra® references are biobased and compostable.
One is certified OK Compost® by AIB Vinçotte.



You can download our Vinçotte labels directly from our website on www.futuramat.fr



Greenhouse gases



Petroleum free

ENVIRONMENT

- 100% biobased
- 100% recycled PLA
- Recyclable
- Fossil carbon saving
- Wood flour PEFC certified
- Biodegradable according to NF EN 13432 and 14995
- Contribute to greenhouse gases reduction
- Valorization of composted products in soil amendment



TECHNICAL PROPERTIES

- Comparable to the properties of the PP and PS
- Compatibility with other bioplastics
- Suitable to all conventional plastics processing equipments
- Processing at low temperatures

MECHANICAL PROPERTIES

INJECTION - MOULDING	PLA	BF-LED10	PP	PS
Module de traction / Tensile modulus	3150	2950	1200	1600
Contrainte maximale / Tensile strength at yield	61	41	30	17
Allongement à cette contrainte / Elongation at yield	2	2,1	9	2
Contrainte à la rupture / Tensile strength at break	61	38	15	15
Module de flexion / Flexural modulus	3200	-	1400	-
Charpy, non entaillé 23°C / Charpy impact strength unnotched 23°C	21	13	82	59
Dureté Shore D, 15s / Shore-hardness D, 15s	82	75	-	71
Densité / Density	1,23	1,25	0,90	1,03

EXTRUSION - THERMOFORMING	PLA	BF-LHE01	PP	PS
Module de traction / Tensile modulus	3450	2880	1350	2600
Contrainte maximale / Tensile strength at yield	60	29	28	44
Allongement à cette contrainte / Elongation at yield	-	1,6	500	2
Contrainte à la rupture / Tensile strength at break	53	19	-	44
Module de flexion / Flexural modulus	-	3130	1500	-
Charpy, non entaillé 23°C / Charpy impact strength unnotched 23°C	-	15	62	28
Dureté Shore D, 15s / Shore-hardness D, 15s	-	79	68	-
Densité / Density	1,24	1,26	0,91	1,04