

Derived from
Natural resources

● 100% recycled PLA

INJECTION MOULDING GRADES

PERFORMANCES

- Rigidity
- Masterbatch coloring
- Hot welding and ultrasonic sealing
- Dense and soft touch
- Excellent printability
- Suitable for high-end applications



Fields of applications



Toys & Games



Agriculture



Catering



Pieces of
equipment



Horticulture



Promotional
items



Construction

ENVIRONMENT

- > 50% biobased
- Fossil carbon saving
- 100% recycled PLA
- Recyclable
- Contribute to greenhouse gases reduction



TECHNICAL PROPERTIES

- Comparable to the properties of the PS and ABS
- Suitable to all conventional plastics processing equipments
- Processing at low temperatures
- Negligible shrinkage release

CERTIFICATIONS

The BioMine®'s references are partially biobased.



Empreinte



Zéro pétrole

MECHANICAL PROPERTIES

INJECTION - MOULDING	PLA	BM-LMJ02	PP	ABS
Module de traction / Tensile modulus	3150	3880	1600	1900
Contrainte maximale / Tensile strength at yield	61	23	17	38
Allongement à cette contrainte / Elongation at yield	2	0,9	2	3
Contrainte à la rupture / Tensile strength at break	61	14	15	-
Module de flexion / Flexural modulus	3200	4280	-	2000
Charpy, non entaillé 23°C / Charpy impact strength unnotched 23°C	21	8	59	No break
Dureté Shore D, 15s / Shore-hardness D, 15s	82	76	71	-
Densité / Density	1,23	1,62	1,03	1,03

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