

DESCRIPTION & APPLICATIONS

Injection / Injection moulding

FR: BM-LMH01 est un matériau destiné à l'injection. A base de matières biodégradables, BM-LMH01 est partiellement issu de ressources renouvelables.

EN: BM-LMH01 is an agromaterial designed for injection. Based on biodegradable raw materials, AU-LMH01 is partially from renewable resources.

PROPRIETES TYPES / TYPICAL VALUES

Propriétés Properties	Valeur Value	Tolérance Tolerance	Unité Unit	Méthode Test method
<u>Thermiques / Thermal</u>				
Indice de fluidité à chaud / Melt Flow Rate 190°C / 2,16kg	30	± 15	g/10min	ISO 1133
Point de fusion, DSC / Melting point, DSC	nd	--	°C	ISO 3146
Transition vitreuse, DSC / Glass transition temperature, DSC	nd	--	°C	ISO 3146
Fléchissement sous charge / Heat Deflection Temperature HDT A – 1,80 MPa; 120°C/h	37,3	± 4,0	°C	ISO 75
<u>Mécaniques / Mechanical</u>				
Module de traction / Tensile modulus	2630	± 420	MPa	ISO R/527
<i>Contrainte maximale / Tensile strength at yield</i>	15	± 4	MPa	ISO R/527
<i>Allongement à cette contrainte / Elongation at yield</i>	1,0	± 0,3	%	ISO R/527
<i>Contrainte à la rupture / Tensile strength at break</i>	9	± 2	MPa	ISO R/527
Module de flexion / Flexural modulus	2720	± 820	MPa	ISO 178
Charpy, non entaillé 23°C / Charpy impact strength unnotched 23°C	25	± 9	kJ/m ²	ISO 179
Dureté Shore D, 15s / Shore-hardness D, 15s	69	± 6		ISO 868
<u>Autres / Other</u>				
Densité / Density	1,58	--	g/cm ³	ISO 1183

Caractérisations effectuées au sein du centre R&D / Characterizations performed in R&D center – VALAGRO - valagro@valagro-rd.com

Data were prepared pursuant to Valagro's sampling and testing procedures in effect at time of production. Values may result from interpolation or correlation of other data. Delivery could come from multiple lots, in which case dominant lot information is given. Reproductions of this certificate must contain its entire contents. Partial reproductions require prior approval from FuturaMat.



FuturaMat
660 Route de Chaix
86130 DISSAY
FRANCE

<http://www.futuramat.fr>
Tel: +33(0)5.49.89.04.50
Fax: +33(0)5.49.37.33.08
futuramat@orange.fr
SIRET: 48143778800039

N° TVA intracommunautaire: FR60481437788