

DESCRIPTION & APPLICATIONS

Injection / Injection moulding

FR: BF-LEMD01 est un matériau destiné à l'injection. Alliage d'un biopolymère et de charges fibre de bois et minéral, BF-LEMD01 est principalement issu de ressources naturelles.

EN: BF-LEMD01 is an agromaterial designed for injection. Made from a biopolymer combined with both wood fiber and mineral charges, BF-LEMD01 is mostly from natural resources.

PROPRIETES TYPES / TYPICAL VALUES

Propriétés Properties	Valeur Value	Tolérance Tolerance	Unité Unit	Méthode Test method
Thermiques / Thermal				
Indice de fluidité à chaud / Melt Flow Rate 190°C / 2,16kg	11	± 5	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	52,7	± 4,0	°C	ISO 75
Mécaniques / Mechanical				
Module de traction / Tensile modulus	4070	± 650	MPa	ISO 527-2
Contrainte maximale / Tensile strength at yield	41	± 10	MPa	ISO 527-2
Allongement à cette contrainte / Elongation at yield	2,7	± 0,7	%	ISO 527-2
Contrainte à la rupture / Tensile strength at break	nd	--	MPa	ISO 527-2
Module de flexion / Flexural modulus	3930	± 1180	MPa	ISO 178
Charpy, non entaillé 23°C / Charpy impact strength unnotched 23°C	13	± 5	kJ/m ²	ISO 179
Dureté Shore D, 15s / Shore-hardness D, 15s	74	± 7		ISO 868
Autres / Other				
Densité / Density	nd	--	g/cm ³	ISO 1183
Taux de retrait / Shrink rate (Smn) *		±	%	FuturaMat
Taux de retrait / Shrink rate (Smp) *		±	%	FuturaMat

* Mesure interne donnée à titre indicatif, à valider sur le produit final. / Internal data given for information only. Recommend to be validated on final product.

Values may result from interpolation or correlation of other data. The above data reflects typical values and it is not an absolute value. The representative values are simply provided for client convenience as a reference and have no legally binding assurance. Reproductions of this certificate must contain its entire contents. Partial reproductions require prior approval from FuturaMat.

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