



ECOGEHR C-L

ECOGEHR C-L is a blend of lignin and its derivatives, fibers based on ligno cellulose and naturally resin. The material is made out of 100 % renewable material and is disposed of by composting or by incineration.

Properties:

- thermoplastic based on renewable raw materials, environmentally safe and practically carbon neutral in the energy lifecycle
- material is biodegradable
- waste disposal e.g. by composting respectively incineration
- good mechanical properties
- high stiffness and a modulus of elasticity up to 4248 MPa
- machinable similar to wood
- isotropic properties

Technical properties	Norm	Unit	Value
Physical properties			
1. Maximum permissible service temperature	-	°C	65
2. Specific gravity	ISO 1183	g/cm ³	1,3
Ecological properties			
3. Ratio of renewable raw materials	-	%	100
4. Industrially compostable*	-	-	Yes
Mechanical properties			
5. Tensile strength at yield	ISO 527	MPa	35,8
6. Elongation at yield	ISO 527	%	1,1
7. Tensile strength at break	ISO 527	MPa	35,5
8. Elongation at break	ISO 527	%	1,2
9. Modulus of elasticity	ISO 527	MPa	4248