

GEHR Plastics ECOGEHR® C-L Cellulose-Lignin Compound (discontinued **)

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Cellulosic

Material Notes:

C-L is comprised of the wood components cellulose, natural fibers, lignin and fatty acids. It possesses many interesting properties that together are very similar to the natural wood. Consequently, this material is very pleasant to the touch, produces high quality sound and is easily workable. It also has a high degree of rigidity (tensile module of elasticity up to 616 kpsi). Clearly, its advantages compared with grown wood lie in the material's homogeneity. Whereas wood displays density variations resulting from growth rings or imperfections (branches), ECOGEHR® C-L provides an isotropic material texture and reproducible properties. This 100% renewable material is largely neutral in terms of its CO2 balance, and like wood it can be disposed of via decomposition or burning. Information provided by GEHR Plastics, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_GEHR-Plastics-ECOGEHR-C-L-Cellulose-Lignin-Compound-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.28 g/cc	1.28 g/cc	ASTM D792
Water Absorption	2.5 %	2.5 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	35.49 MPa	5147 psi	ASTM D1708
Tensile Strength, Yield	35.79 MPa	5191 psi	ASTM D638
Elongation at Break	1.25 %	1.25 %	ASTM D1708
Elongation at Yield	1.14 %	1.14 %	
Modulus of Elasticity	4.25 GPa	616 ksi	ASTM D638
Izod Impact, Notched (ISO)	24.6 kJ/m ²	11.7 ft-lb/in ²	ASTM D256
Izod Impact, Unnotched (ISO)	118 kJ/m ²	56.2 ft-lb/in ²	ASTM D256

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	65.0 °C	149 °F	
Deflection Temperature at 1.8 MPa (264 psi)	52.89 °C	127.2 °F	HDT/B; ASTM D648

Descriptive Properties	Value	Comments
Industrially Biodegradable	Yes	
Renewable Content (%)	100	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China