

## Zelfo Technology Zelfo® HG Cellulose Fiber Material

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

### Material Notes:

Zelfo® is a high performance bio-based material. Patented fibre technology developed by Zelfo Technology transforms 100% renewable or recycled cellulose fibres and water into self-binding Zelfo material. Zelfo is an economic, adaptable and sustainable alternative to wood, plastics, and other materials for 2D and 3D applications. Product Design & Built Environment/Construction: Uses across consumer products, packaging, interior design, and construction include housings, furniture, flooring, and paneling. Grade HG is based on hemp.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Zelfo-Technology-Zelfo-HG-Cellulose-Fiber-Material.php](http://www.lookpolymers.com/polymer_Zelfo-Technology-Zelfo-HG-Cellulose-Fiber-Material.php)

Physical Properties	Metric	English	Comments
Density	0.500 g/cc	0.0181 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	7.00 MPa	1020 psi	
Tensile Modulus	1.50 GPa	218 ksi	
Flexural Strength	17.0 MPa	2470 psi	
Izod Impact, Notched (ISO)	1.00 kJ/m <sup>2</sup>	0.476 ft-lb/in <sup>2</sup>	
Izod Impact, Unnotched (ISO)	2.00 kJ/m <sup>2</sup>	0.952 ft-lb/in <sup>2</sup>	

## Contact Songhan Plastic Technology Co.,Ltd.

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