

Zelfo Technology Zelfo® HZ 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 HZ is based on hemp cellulose.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Zelfo-Technology-Zelfo-HZ-Cellulose-Fiber-Material.php

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	55.0 MPa	7980 psi	
Tensile Modulus	6.55 GPa	950 ksi	
Flexural Strength	95.0 MPa	13800 psi	
Izod Impact, Notched (ISO)	6.00 kJ/m ²	2.86 ft-lb/in ²	Underground specimens
Izod Impact, Unnotched (ISO)	14.0 kJ/m ²	6.66 ft-lb/in ²	Underground specimens

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