



Competitive Green Technologies

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TECHNICAL DATA SHEET

Biodegradable Resin: CGTECH – BCR – HMS - TFF

Product Description:

The properties below are typical of our compostable bio-composite resins intended for blown film and cast film.

Physical Properties	Typical Values*	Test Method
Melt Flow	< 1 g/10min@190°C,2.16Kg	ASTM D1238
Density	1.26 g/cm ³	ISO 1183
Notched Izod Impact @ 20°C	90 J/m	ASTM D256
Tensile Strength @ Yield	37 MPa	ASTM D638
Tensile Modulus	1.6 GPa	ASTM D638
Tensile Elongation at Yield (%)	17.0 %	ASTM D638
Flexural Modulus	1.70 GPa	ASTM D790
Flexural Strength	40 MPa	ASTM D790
Heat Deflection Temperature (°C)	95	ASTM D648
CLTE (-35-80°C) (10 ⁶ /K)	225.5	

Note: *Values provided are typical and should not be interpreted as product specification.

The results reported are typical with the caveat that due to variable processing methods and conditions, no guarantees or warranties are expressed or implied, including expressions of fitness for purpose or merchantability.

This is a patent pending formulation.