



Competitive Green Technologies

731 Mersea Road 7, Leamington ON

N8H 3V8, Canada

Phone: + 1 519 329 BLAK (2525)

December 2018

TECHNICAL DATA SHEET

Biodegradable Resin: CGTECH – BCR – HMS – TFF-M

Product Description:

The properties below are typical of our compostable bio-composite resins intended for extrusion grade applications

Physical Properties	Typical Values*	Test Method
Melt Flow Index	<1 g/10min@190°C,2.16Kg	ASTM D1238
Melt Volume Rate	5.4mL/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	1.90 GPa	ASTM D638
Tensile Elongation at Yield (%)	17.0 %	ASTM D638
Flexural Modulus	1.45 GPa	ASTM D790
Flexural Strength	50 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.