bio-composite resin solutions

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TECHNICAL DATA SHEET

Biodegradable Resin: CGTECH – BCR – CC – REV 3.7

Product Description:

The properties below are typical of our bio-degradable compounded resins intended for injection molded 'mesh format' single serve coffee pod structural rings.

Physical Properties	Typical Values*	Test Method
Melt Flow	9 g/min@190°C,2.16Kg	ASTM D1238
Bio-content	Over 40%	C-14 new carbon
Density	1.26 gm / cc	ISO 1183
Notched Izod Impact @ 20° C	54 J/m	ASTM D256
Tensile Strength @ Yield (50mm/min)	25 MPa	ASTM D638
Flexural Modulus (14mm/min)	1.14GPa	ASTM D638
Tensile Elongation at Yield (%) (50mm/min)	7 %	ASTM D790
Heat Deflection Temperature (°C)	82	ASTM D*648*
Moisture Content (%)**	≤1	ASTM D6980

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 completely compostable BPI certified resin.

This is a patent pending formulation.

** Needs to be dried down to less than 01% moisture before use by drying in a desiccant dryer for 3 – 4 hours at 90(°C with air dew point at -40 °C.