



Competitive Green Technologies

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bio-composite resin solutions

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TECHNICAL DATA SHEET

PP Repro / Natural Fibre Biocomposite: CGTECH – BCR – BB-122

Product Description:

The properties below are typical of our recycled natural fibre / polypropylene bio-composite resins intended for injection molded storage bins.

Physical Properties	Typical Values*	Test Method
Melt Flow	10 g/min@190°C,2.16Kg	ASTM D1238
Bio-content	20%	C-14 new carbon
Density	1.0 gm / cc	ISO 1183
Notched Izod Impact @ 20° C	45 J/m	ASTM D256
Tensile Strength @ Yield (50mm/min)	29 MPa	ASTM D638
Flexural Modulus (14mm/min)	1.60 GPa	ASTM D638
Flexural Strength (14mm/min)	46 MPa	ASTM D638
Tensile Elongation at Yield (%) (50mm/min)	4.5 %	ASTM D790
Heat Deflection Temperature (°C)	82	ASTM D648
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 patent pending formulation.