



# RM Biotech Pvt Ltd

## BM002 - Technical Data Sheet

### Product Description

RMBPL® BM002 is a patented biodegradable resin compound designed to replace traditional conventional plastic materials for flexible plastic applications which can be processed at the existing or the same conventional plastic processing machineries. RMBPL® BM002 is produced using renewable resources providing consumers the opportunity to reduce the carbon footprint meeting the IS/ISO 17088 standards.

### Applications

RMBPL® BM002 Extrusion grade resin is suitable for opaque extrusion applications such as straw applications and thermoforming applications.

#### Physical Properties

Property	Unit	Test Method	Value
Specific Gravity	gm/cm <sup>3</sup>	ASTM D792	1.24 – 1.4
Melt Flow Rate MFR 190°C, 2.16 kg	gm/10 min	ASTM D1238	3 – 6
Melting Point	°C	ASTM D3418	130 -160

#### Mechanical Properties

Property	Unit	Test Method	Value
Tensile Strength (MD)	MPa	ASTM D882	33
Tensile Strength (TD)	MPa	ASTM D882	25
Elongation (MD)	%	ASTM D882	209
Elongation (TD)	%	ASTM D882	452
Dart Impact	gm	ASTM D1709	297
Elmendorf Tear (MD)	gf	ASTM D1922	30
Elmendorf Tear (TD)	Gf	ASTM D1922	63

**Note: The values mentioned above are provided on standard test samples, these to be considered as guide values only.**

