



# RM Biotech Pvt Ltd

## BM007 - Technical Data Sheet

### Product Description

RMBPL<sup>®</sup> BM007 film grade compound is completely biodegradable and compostable granules, designed to extrude flexible bioplastic films for various packaging applications. It is engineered with high performance and intended to provide alternatives to conventional plastics, which can be easily processed on conventional plastic manufacturing equipment.

### Applications

RMBPL<sup>®</sup> BM007 can be used to produce film for applications such as lamination on paper and aluminum foil.

#### 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 – 8
Melting Point	°C	ASTM D3418	110 -160

#### Mechanical Properties

Property	Unit	Test Method	Value
Tensile Strength (MD)	MPa	ASTM D882	46
Tensile Strength (TD)	MPa	ASTM D882	44
Elongation (MD)	%	ASTM D882	229
Elongation (TD)	%	ASTM D882	497
Dart Impact	gm	ASTM D1709	212
Elmendorf Tear (MD)	gf	ASTM D1922	67
Elmendorf Tear (TD)	Gf	ASTM D1922	156

**Note: The values mentioned is typical properties of 20 microns blown film, the property values listed above are calculated under standard temperature conditions and values should be viewed as guidelines only.**