



RM Biotech Pvt Ltd

RMB001 - Technical Data Sheet

Product Description

RMBPL[®] RMB001 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[®] RMB001 film grade resin can be used to produce film for applications such as Bin-liners and Trash bags

Physical Properties			
Property	Unit	Test Method	Value
Specific Gravity	gm/cm ³	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	110 -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 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.