

# PB05001F

Bioplastic compound resin

**Special Characteristics :** PB05001F is bioplastic compound which designed for general purpose packaging film applications with the well balance of processability, mechanical properties and seal ability.

**Typical Applications :** Applications are suitable for disposable bags, shopping bags, T-shirt bags and general purposed bags.

**Typical Properties :**

Properties	PB05001F	Unit	Test Method
<b>Physical Properties</b>			
Melt Flow Rate 190°C; 2.16kg	5	g/10 min	ASTM D1238
Density	1.26	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical Properties (Film Specimens)*</b>			
Tensile strength	25(MD)	MPa	ASTM D882
	20(TD)		
Elongation at break	170(MD)	%	ASTM D882
	350(TD)		
Dart impact	450	g	ASTM D1709

*\*Remark*

*Film sample 35 micron; BUR = 3 (For mechanical testing), MD = Machine direction and TD = Transverse direction*

**Recommendation :**

Extruder temperature: 140-170 °C

Die temperature: 140-170 °C

**FDA Statement :**

Food and Drug Administration US FDA 21 CFR 177.1520. More compliance regulations and standards that related to the product shall contact in details.

**Compostable Statement :**

The raw materials for manufacturing which are certified to European Compost Standard EN13432 : 2000, requirements for packaging recoverable through composting and biodegradation.