

# PB04003F

Bioplastic compound

**Special Characteristics :** PB04003F is a bioplastic compound specially developed for general blown film application. This compound is recommended for general non-food contact film applications, such as shopping bag, garbage bag, industrial packaging, mulch film, etc.

**Typical Applications :** General non-food contact application

**Typical Properties :**

Properties	PB04003F	Unit	Test Method
<b>Physical Properties</b>			
Melt Flow Rate 190°C, 2.16 kg	4.0	g/10 min	ASTM D1238
Density	1.53	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical Properties (Film Specimens)*</b>			
Tensile Modulus	390 (MD)	MPa	ASTM D882
	330 (TD)		
Ultimate Tensile Strength	12 (MD)	MPa	ASTM D882
	13 (TD)		
Elongation at Break	150 (MD)	%	ASTM D882
	240 (TD)		
Dart Impact	107	g	ASTM D1709

**\* Remark\***

- Film sample thickness 35 micron; BUR = 2.5 (For mechanical testing)
- MD = Machine direction
- TD = Transverse direction

**Recommendation :**

Die temperature : 170-180°C

Extruder temperature : 150-180°C

**Compostable Statement :**

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