

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
Physical Properties			
Melt Flow Rate 190°C, 2.16 kg	4.0	g/10 min	ASTM D1238
Density	1.53	g/cm ³	ISO 1183-1
Mechanical Properties (Film Specimens)*			
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.

Disclaimer: To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication; however, we do not assume any liability what so ever for the accuracy and completeness of such information. We make no warranties which extend beyond the description contained herein. Nothing herein shall constitute any implied warranty of merchantability or fitness for a particular purpose. It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products. No liability can be accepted in respect of the use of our products in conjunction with other materials. The information contained herein relates exclusively to our products when not used in conjunction with any third party materials.

Note : Properties reported here are typical values of the product, not to be considered as specifications.

GTC makes no representations as to the accuracy or completeness of the information contained herein.