

# COMPOSTFUL SF1000 PBAT(Polybutylene Adipate-co-Terephthalate)

## Application

- Biodegradable & Compostable Compound
- Typically, Films made using Blown or Cast extrusion process

## Characteristics

- SF1000 is satisfied with the industrial compostable requirements according to EN 13432 & ASTM D6400 standard.
- SF1000 complies with the requirement of (EU) No 10/2011 & GB 4806.6



- SF1000 has excellent processing stability and good physical properties.
- Monomer : 1,4-Butanediol / Adipic acid / Terephthalic acid
- Additives - Slip : No, Anti-Block : No, Antioxidant : No

## Properties

Item	Test Method	Unit	Typical Value
<b>Resin Properties</b>			
Density	ASTM D1505	g/cm <sup>3</sup>	1.20 – 1.25
Melt Index (190°C/2.16Kg)	ASTM D1238	g/10min	2.5 – 4.5
Shore D Hardness	ASTM D2240	-	32
Melting point	LG Method(DSC)	°C	110 – 125
<b>Film Properties</b>			
Tensile strength at Break MD/TD	ASTM D882	kg/cm <sup>2</sup>	400 / 400
Elongation at Break MD/TD	ASTM D882	%	550 / 650
Dart Impact Strength	ASTM D1709B	g	400
Haze	ASTM D1003	%	15

1) Film properties are measured on 50 $\mu$ m film specimen\*, and properties may vary depending on processing equipment & conditions.

\* B.U.R : 2.5, Processing temperature : 160°C

2) The data in this table are typical values, and not guaranteed specification

Store unopened in a dry and clean condition at room temperature (23-25°C).

During transportation and storage, the temperature may not exceed 70 °C.

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For additional sales, order and technical assistance

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