

Technical Data Sheet

Name: TC-ES001

Component: PLA、PBAT。

Appearance:

Resin: Nature white resin.

Ingredient	Concentration	CAS NO.
polylactic acid (PLA)	80%	26023-30-3
1,4-Benzenedicarboxylic acid, dimethyl ester(PBAT)	20%	55231-08-8

Features:

1、 100% compostable and biodegradable. EN13432, ASTM6400 and Home compost certified.

2、 No phthalate, no bisphenol A, non-toxic and pollution-free.

Items	Standard	Unit	result
Density	ISO1183	g/cm ³	1.2~1.23
Melting Point	DSC, 10°C/min	°C	150-165
Melt Flow index	ISO1133	g/10min (190 °C,2.16kg)	≤10
Tensile Strength (MD)	ISO527	MPa	≥40
Tensile Strength (TD)	ISO527	MPa	≥30
Elongation at Break (MD)	ISO527	%	≥100
Elongation at Break (TD)	ISO527	%	≥150