

Technical Data Sheet

Name: TC- ES004

Component: PLA、 Coffee Fiber,

Appearance:

Resin: Nature white resin.

Ingredient	Concentration	CAS NO.
polylactic acid (PLA)	85%	26023-30-3
Coffee Fiber	15%	

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	145-165
Melt Flow index	ISO1133	g/10min (190 °C,2.16kg)	≤10
Tensile Strength (MD)	ISO527	MPa	≥35
Tensile Strength (TD)	ISO527	MPa	≥28
Elongation at Break (MD)	ISO527	%	≥100
Elongation at Break (TD)	ISO527	%	≥150
Flexural Modulus	ISO178	MPa	35
Shore Hardness	ASTM D-785	R scale	60
Impact Strength	ASTM D-256	Kg.cm/cm ³	12