
Technical Data Sheet

Name: TC- ES005

Component: PBS、PLA、Talc powder.

Appearance:

Resin: Nature white resin.

Ingredient	Concentration	CAS NO.
poly(1,4-butylene succinate) (PBS)	45%	143606-53-5
polylactic acid (PLA)	40%	26023-30-3
Talc powder	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	150-165
Melt Flow index	ISO1133	g/10min (190 °C,2.16kg)	≤10
Tensile Strength (MD)	ISO527	MPa	≥30
Tensile Strength (TD)	ISO527	MPa	≥25
Elongation at Break (MD)	ISO527	%	≥100
Elongation at Break (TD)	ISO527	%	≥150