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TB-10 Bio-compostable Compound

Biodegradable and compostable polymer resin compound designed for bag applications such as T-shirt bags, shopping bags, soft loop bags, bags-in-roll and zipper bags. The compound is engineered for high performance and can be used as-received on conventional manufacturing equipment.

Product description: TB series bio-compostable resins are compounded with mineral powders which helps provide strength and retain full compostability. Intended to be used with single layer or multi-layers blown film extrusion process.

Preparations: It is recommended to pre-dry the material before use at 70°C during 2-3 hours.

Technical data:

Properties (Units)	Typical values	Test method
Density (g/cm ³)	1.29	ASTM D 792
Melt flow index, 190C/2.16kg (g/10min)	5	ASTM D 1328
Tensile strength at break, MD (MPa)	44.5	ASTM D 882
Tensile strength at break, TD (MPa)	37.9	ASTM D 882
Elongation at break, MD (%)	146	ASTM D 882
Elongation at break, TD (%)	619	ASTM D 882

Remark: Tested on films with thickness of 25µm, BUR 2.5

Standard packaging: TB bio-compostable compounds will be delivered in 25kg PE bags. All packagings includes barrier layer to prevent moisture uptake. Product will be arranged on top of wooden pallets for handling.

Storage instruction: Prevent contact with soil, water and avoid exposure to direct sunlight and extreme temperature. Unopened, well packaged bags should be used within 12 months under good storage condition and ambient temperature of 23°C.

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