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TX series Biocompostable Compounds

Biodegradable and compostable polymer resin compounds designed for blown film extrusion. The product line is produced using proprietary technologies and is intended to provide alternatives to conventional plastics. The compounds are engineered for high performance and can be used as-received on conventional manufacturing equipment.

Product description: TX series biocompostable resins are compounded with thermoplastic starch which is a naturally renewable resource and helps improve 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)	TX-300	TX-400	Test method
Density (g/cm ³)	1.32	1.35	ASTM D 792
Melt flow index, 190C/2.16kg (g/10min)	3.9	5.0	ASTM D 1328
Tensile strength at break, MD (MPa)	>27	>25	ASTM D 882
Tensile strength at break, TD (MPa)	>16	>15	ASTM D 882
Elongation at break, MD (%)	>120	>180	ASTM D 882
Elongation at break, TD (%)	>480	>250	ASTM D 882

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

Standard packaging: TX 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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