



## **BIOBLEND F** **COMPOSTABLE POLYESTER COMPOUND**

### **Technical Data Sheet - Provisional**

BIOBLEND F is a biodegradable / Compostable polymer compound made with thermally stable polyester base polymer combination. This material contains carefully chosen compostable / biodegradable polymers homogeneously blended along with required package of special additives for smooth processing and stability. As the base polymers used are compostable, the final blend is also completely compostable and would qualify as "Industrially Compostable" Polymer.

#### **USAGE**

- BIOBLEND F is directly usable without blending with any polymer / additive
- Printable with standard printing process for polyolefins

#### **ADVANTAGES**

- Good film strength and elongation comparable / surpassing those of industry standard polyolefins
- Eco-friendly alternative to single use plastics
- Possible to process in conventional polyolefin processing film extruders

#### **APPLICATIONS**

- Industrially Compostable Carry bags / Garbage bags / films / Related packaging applications

#### **TECHNICAL SPECIFICATION**

Properties	Test method	Unit	Typical value
<b>Physical Properties</b>			
Melt Flow Index @ 190 <sup>o</sup> C/2.16kg	ASTM D-1238	gm / 10min	5 ± 2
Specific Gravity	ASTM D-792	-	1.55 ± 0.02
<b>Mechanical Properties</b>			
Notched Izod impact strength	ASTM D-256	Kg.cm/cm	35 ± 3
Tensile Strength at yield	ASTM D-638	Kg/cm <sup>2</sup>	120 ± 10
Elongation @ Break	ASTM D-638	%	≥ 400
Flexural strength	ASTM D-790	Kg/cm <sup>2</sup>	80 ± 5

**Storage** : The material shall be kept in a cool and dry place

**Form** : Pellets

**Package** : 25 kg bags

#### **DISCLAIMER:**

The above Technical Data Sheet presents information and data, true and accurate to the best of our knowledge. No warranty express or implied can be made regarding performance or otherwise.

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