



## **BIOBLEND FH** **COMPOSTABLE POLYESTER COMPOUND**

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

BIOBLEND FH is an economical version of mineral reinforced biodegradable / Compostable polymer compound made with thermally stable polyester base polymer combination. This material contains carefully chosen compostable / biodegradable polymers homogenously compounded with mineral fillers and a package of special additives for smooth processing and stability. The base polymers (PBAT & PLA) used are biodegradable / compostable. The mineral fillers used are environmental friendly and hence the final compound is completely harmless to the environment.

#### **USAGE**

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

#### **ADVANTAGES**

- Good film strength and elongation as per industry standards
- Eco-friendly and economical 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	4 ± 1
Specific Gravity	ASTM D-792	-	1.65 ± 0.02
<b>Mechanical Properties</b>			
Notched Izod impact strength	ASTM D-256	Kg.cm/cm	30 ± 3
Tensile Strength at yield	ASTM D-638	Kg/cm <sup>2</sup>	105 ± 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.

Rev 09/24

Page 1 of 1

## **Ddev Plastiks Industries Limited**

**Surangl Works** : Survey No. - 320/1/1/2/2, Village – Surangl, Chlkhall Road, Silvassa – 396240  
(Dadra and Nagar Haveli and Daman and Diu), Tel : +91 9909006402

**Dadra Works** : Survey No – 24/3, Village : Demn , Demni Road, Dadra, Silvassa - 396193, Tel : +91 9909006426

**Daman Works** : 168/151-158, Dabhel Industrial Co-operative Society Ltd., Dabhel, Daman - 396210, Tel: +91 9909006407

E-mail : ddndnh\_gst@ddevgroup.in, [www.ddevgroup.in](http://www.ddevgroup.in)

CIN : U24290WB2020PLC241791