



*Advance*  
BIO Material



**Save NATURE**  
**and your business as well**

# BIOPLASTICS RAW MATERIAL



Bioplastics raw material is derived from natural, renewable resources and is optimized for its performance. It faces a major challenge in terms of comparative performance against conventional plastics and cost. We are continually working to meet these challenges by developing cost competitive high-performance Bioplastics raw material.

Ours Bioplastics raw material is 100% biodegradable and compostable within 180 days. These materials can be fully decomposed into carbon dioxide, water and minerals, which in turn is good for crops causing no harm and toxicity to the farmland and conform to International standards - EN13432 and ISO 17088:2008.

SR.NO.	PRODUCT GRADE NAME	PROPERTIES	APPLICATIONS
1.	ADFLEX FT-1	<ul style="list-style-type: none"><li>• Excellent mechanical properties</li><li>• High Strength</li><li>• Can be processed on any conventional blown film line</li></ul>	Blown Films, Carry bags, Shopping bags, Roll on bags, Garbage bags
2.	ADFLEX FT-2	<ul style="list-style-type: none"><li>• Excellent mechanical properties</li><li>• Designed for making film and bags with little softer feel and requiring good draw down</li><li>• Material is light yellowish colour</li><li>• Can be processed on any conventional blown film line</li></ul>	Blowing Films application of garbage bags, bag on roll, Mulch Films
3.	ADFLEX FT-3	<ul style="list-style-type: none"><li>• Excellent mechanical properties</li><li>• Can be used for making blend for multilayer film</li><li>• Very good sealing properties</li></ul>	Cast films and sheets, Bottles, Plates, Cups, Spoon, Knife, Fork

## **ORIENTED BIOPLASTICS FILM**



Oriented Bioplastics films are suitable for almost all spectrums of applications from printing to lamination.

Our films for lamination has highest sealing properties and films for printing is clear, transparent and are high strength film suitable for rotogravure and flexo printing.

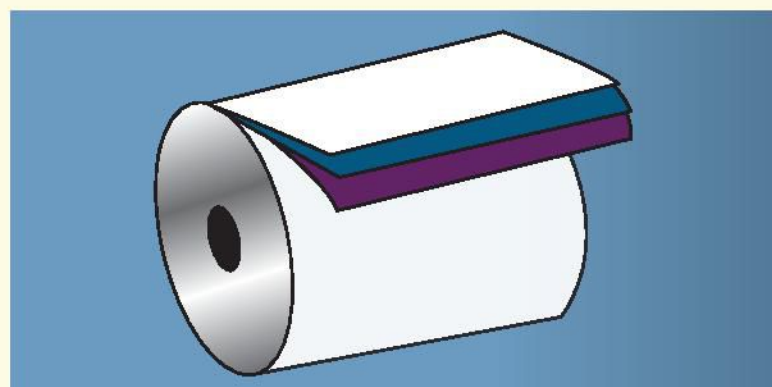
All our films are developed as per International standards – EN13432 and ISO 17088:2008.

## **HIGH BARRIER BIOPLASTICS FILM**



A bigger challenge for Bioplastics is to be at par with conventional plastics in terms of functional requirements, particularly barrier. We have also developed a high barrier Bioplastics film with some molecular modification enabling very high barrier properties.

Laminates are packaging material developed where only one substrate cannot meet all product packaging requirements. We can develop laminating structure as per product requirements, by combining the properties of different substrate which can meet product packaging requirements.



## ABOUT US

Advance Bio Material Co. Pvt. Ltd. is an innovator and is dedicated to developing high-performance Bioplastics in India. Our passion is in delivering functional bio-polymers and its products to our customers who perform in their own markets and meet product performance criteria at a reasonable cost and deliver great bio-credentials.

Our business is backed by nearly 10 years of experience in developing high-quality materials in this sector. Our high caliber team members have a wealth of polymer experience and pride themselves on a fundamental understanding of how our materials perform at its best both technically and in our customers' markets.

Some of the products developed by our scientists are under patent registration and meet international quality standards.

We are committed to provide all necessary support to our customers, starting from selecting the right product, trials and testing, its conversion, performance on further packaging, usage, technical, legal and composting requirements.

### Advance Bio Material Co. Pvt. Ltd.

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