

Technical Data Sheet

The following compostable film grade is made with a proprietary blend of Thermoplastic Corn Starch, PBAT and other compostable biochemicals. It has one of the lowest calcium Carbonate content to protect soil from permanent damage of cementation.

Material Specifications:

Property	Test Method	Unit	Typical Value
Thickness		Micron	20-120
Specific Gravity(23°C)	ASTM D 792-20	g/cc	1.05
Color	Visual / dE	-	Black / White / As required
Calcium Carbonate Filler	ISO 3451-1:2019	%	<2%

Film Properties

Tensile strength at break (MD/TD)	ASTM D882	MPa	22/20
Elongation at Break (MD/TD)	ASTM D882	%	315/410
Modulus (MD/TD)	ASTM D882	MPa	95/60

Weather Resistance

UV and Visible Light Protection	In-house testing	Days	85
Resistance to Rain and Sunlight	In-house testing	Days	85

1. Typical values are not to be taken as specifications.
2. Typical values such as film properties are with 75µ film made with 1 mm die gap & 2.0 BUR.

Colors:

Single
Colour



Black



Transparent



Yellow



Red

Dual
Colour



Black

Silver



Black

White



Black

Any

Dimensions:

1. Width : 60 cm to 3 meters
2. Thickness : 20 to 120 microns

The information provided in this document is true to the best of our knowledge. Changes in Processing parameters can change the values. Users are advised to consider current patents, national or international, before processing. Unauthorized distribution of granules or products shall be considered a punishable offense. TGP Bioplastics does not take any responsibility for any legal action on such persons or companies.

CompoMulch

MVP-6

Applications:

CompoMulch can be used as mulching paper in Farms, GreenHouse, Nurseries, etc. to inhibit growth of Weeds, lower water and evaporation rate. Colored Mulch Films can be used for enhancing specific desired crop quality, reducing time of fruition and increasing weight of fruits.

Regulatory Compliance:

Meets the requirements prescribed of Indian Standard **IS/ISO 17088:2021**.

Quality System Compliance:

Representative products undergo inspection and quality control throughout the entire production process, adhering to applicable product standards and internal QC SOP.

Property Limitation:

As the product is Compostable, it will start losing its strength over the period of time. After 85 days, it will lose more than 50% of its initial value.