

TGP BIO: Industrial Grade

Technical Data Sheet

The following compostable film grade is made with 100% compostable content.

Material Specifications:

Property	Test Method	Unit	Typical Value
Specific Gravity(23°C)	ASTM D 792-20	g/cc	1.05
Color	Visual / dE	-	Creamy White

Film Properties

Tensile strength at break (MD)	ASTM D882	MPa	22-26
Elongation at Break (MD)	ASTM D882	%	200-350
Modulus (MD)	ASTM D882	MPa	110-160
Tensile strength at break (TD)	ASTM D882	MPa	18-22
Elongation at Break (TD)	ASTM D882	%	400-700
Modulus (TD)	ASTM D882	MPa	50-60

*Typical values are not to be taken as specifications.

*Typical values such as film properties are with 60μ-68μ film made with 1 mm die gap & 2.0 BUR.

Applications:

These films are designed for high-performance, heavy-duty industrial applications. It is most suitable for packaging industrial parts with sharp corners and notches, as they have high resistance to wear and tearing. Additionally, they are suitable for general-purpose consumer packaging, E-commerce packaging and Mailer Bags, etc.

Regulatory Compliance:

Meet the requirements prescribed in ISO 17088

The grade and the additives incorporated in it also comply with the FDA standards.

Quality System Compliance:

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

Storage Condition:

Material should be kept strictly away from direct sunlight for better shelf life properties, before starting the actual usage

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. Only licensed manufacturers are allowed to use the polymer. 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.