

# TGP: Transparent 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	1.24
Color	Visual / dE	-	Transparent

### Film Properties

Tensile strength at break (MD)	ASTM D882	MPa	20-25
Elongation at Break (MD)	ASTM D882	%	90-130
Modulus (MD)	ASTM D882	MPa	140-160
Tensile strength at break (TD)	ASTM D882	MPa	16-22
Elongation at Break (TD)	ASTM D882	%	300-800
Modulus (TD)	ASTM D882	MPa	45-60

\*Typical values are not to be taken as specifications.

\*Typical values such as film properties are with 15 $\mu$ -18 $\mu$  film(400mmx400mm) made with 1 mm die gap & 2.0 BUR.

### Applications:

It is most suitable for low load micron applications.. 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.