

## TECHNICAL DATA SHEET

**Product Name: PBAT (Polybutyleneadipate-co-terephthalate)**

**Grade: SK400**

SR. NO.	PROPERTIES		UNIT	RESULT
1	PHYSICAL FORM		VISUAL	CYLINDERICAL
2	DENSITY 25°C		g/cm <sup>3</sup>	1.23 ± 0.03
3	MELTING POINT (TPM)		°C	120 ± 5
4	MELT FLOW RATE (MFR)		g/10 min (190°, 2.16 kg)	4 ± 1
5	MOISTURE CONTENT		%	0.05 MAX
6	ASH CONTENT		%	0.1 MAX
7	CARBOXYL END GROUPS		Mol/t	15 MAX
8	COLOUR VALUE	L-VALUE		80 MIN
		A-VALUE		5 MAX
		B-VALUE		10 MAX
9	TENSILE STRENGTH		MPa	20 MIN
10	ELONGATION AT BREAK		%	500 MIN
11	FLEXURAL STRENGTH		MPa	3 MIN
12	FLEXURAL MODULUS		MPa	30 MIN

### Application

It exhibits outstanding ductility, high heat resistance, and excellent impact properties. Moreover, it demonstrates notable compostability, making it a preferred choice in the research of compostable plastics and a leading material in the market for compostable products. Its versatility extends to applications such as packaging bags, shopping bags, agricultural plastic films, compostable bio fillers, various compounds, etc.



## **Disclaimer**

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## **Approved By**

**Sparsh Gupta**

**Managing Director  
Biogreenic Polymers Pvt. Ltd.**