

# PRODUCT



01

**PBAT (BK901)**

Output:  
60kt/a

Items	Typical Data	Color Value	Items	Specification	Typical Data
Density, g/cm <sup>3</sup>	1.23±0.3		L	Standard	≥70
Melting point, °C	110~130		A	Standard	≤5
MFR, g/10min	M1±10%			Deviation	±1
Water, %	≤0.1		B	Standard	≤5
Carboxyl group content, Mol/t	≤30			Deviation	±1
Tensile strength, MPa	≥19	Vicat VST A/50, °C		M2±3	
Elongation at break, %	≥500	Ash content, %		≤0.1	

## Application:

PBAT is a semi-aromatic, biodegradable polymer and is produced by polycondensation of 1,4-butanediol (BDO), adipic acid (AA), and purified terephthalic acid (PTA). It has the characteristics of both PBA and PBT, and has good ductility and elongation at break. PBAT offers a valuable combination of technical properties with its exceptional toughness, durability, and good processibility. PBAT polymers are not only biodegradable but also compostable, so the use of PBAT can fight against white pollution. The major application for PBAT is in plastic bag production, in particular shopping bags and garbage bags, followed by food packaging, and mulch/agricultural film.



**COMPOSTABLE**  
IN INDUSTRIAL FACILITIES  
Check locally, as these do not exist in many communities. **Not suitable for backyard composting.**  
CERT # SAMPLE