

TECHNICAL DATA SHEET

Poly(butylene adipate-co-terephthalate)

Product Poly(butylene adipate-co-terephthalate)
Chemical Formula $(C_{10}H_{10}O_4.C_6H_{10}O_4.C_4H_{10}O_2)_x$
Cas No 55231-08-8
Print Date May 10th, 2020

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Polyvinyl Chloride Resin

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Description

PBAT is a thermoplastic biodegradable plastic. It not only has good ductility and elongation at break, but also has good heat resistance and impact properties.

Applications

Mainly applicable to blow molding processing of film ,products, typical products include but not limited to supermarket shopping bags, courier bags, clothing bags, industrial product package

Packaging

In 25kg kraft bag or 800/1200kg jumbo bag.

ITEMS	UNIT	METHOD	FC-2030	FM-0625	FS-0330	TH801T
Density	g/cm ³	ISO1183	1.47±0.03	1.24±0.02	1.26-1.3	1.21
Hardness	D	ISO868	45±2	45±2	50-60	
Tensile Strength	Mpa	ISO527	16±2	16±2	2-4	≥25
Elongation At Break	%	ISO527	≥450	≥400	≥500	≥400
MVR 190°C,2KG	g/10 min	ISO1133	≤5	≤5	2-4	2.5-4.5
Melting Points	°C	ISO3146	95-135	95-135	95-150	116-122
Thermal Decomposition Temp	°C	ASTM D6370	360	230	260	

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