

GCBM0102 (PBAT/PLA/Modified starch Resin For Film)



Component:PBAT,PLA,starch
Appearance:yellowish or white resin

MAIN TECHNICAL PARAMETER:

Properties	ASTM	Test Condition	S.I. Units	Typical Values
Mechanical				
Tensile Strength(Longitudinal)	ASTMD 4321-2004	50mm/min	Mpa	≥16
Tensile Strength(transverse)	ASTMD 4321-2004	50mm/min	Mpa	≥18
Elongation(Longitudinal)	ASTMD 4321-2004	50mm/min	%	≥450
Elongation(transverse)	ASTMD 4321-2004	50mm/min	%	≥260
Tensile Modulus	ASTMD 4321-2004	50mm/min	Mpa	≥150
Heat sealing strength	ASTM F88-06	300mm/min	N/15 mm	≥8
Right angle tear strength	ASTM D1004-2009	500mm/min	N/mm	≥90
Thermal				
Heat Distortion Temp.	ASTM D648-2007	1.8Mpa	°C	<100
Others				
Melt Flow Rate	ASTM D1238-2010	190°C, 2.19K	g/10min	2-5
Biodegradation				
biogradation rate in 12 weeks	EN 13432 /ASTMD 6400		%	>98

PROCESSING CONDITION (BLOWING MOLD)

		Start Point	Range
Melt Temp.		140°C	130-150°C
Barrel Zone Temp.	Rear	135°C	130-150°C
	Center1	140°C	130-150°C
	Center2	140°C	130-150°C
	Front	145°C	130-150°C
Pre-Dry Requirement		80°C, 4hr	

Note:

1. Do not need to pre dry, open the package can be used directly. If the product moisture exceeds the standard, it should be used after drying treatment, drying time 4 h, temperature 80°C.
2. The data for tensile strength and breaking elongation refer to the finished film product.