

Advance Bio Material By Innovation for Greener Earth

Advance Bio Material Company Pvt. Ltd. is involved only in developing Bio Plastic, and all our products are biodegradable and compostable and developed from natural resources.

ADFLEX-FT-4 is a compound made from PLA. It is used to improve the film clarity, rigidity, it has excellent sealing properties.

Features

- Biodegradable and compostable
- Excellent property

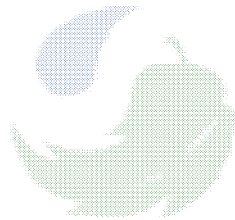
Applications

- Blowing Films

Data Sheet of Raw Material ADFLEX-FT4

Properties	ASTM	Test Conditions	S.I units	Values
Mechanical				
Tensile Strength	D638	50mm/min	MPa	45
Elongation	D638	50mm/min	%	8
Flexural Strength	D790	2mm/min	MPa	50
Flexural Modulus	D790	2mm/min	MPa	2100
Impact Strength, IZOD notched	D256	4mm, 23°C	KJ/m ²	9.5
Thermal				
Heat Distortion Temp.	D648	1.8MPa, 6.4mm	°C	53
Others				
Melt Flow Rate	D1238	Blow moulding	g/10min	3.2
Specific Gravity	D792	23°C	g/cm ³	1.24
Mold Shrinkage	D955	23°C	%	0.4-0.6

Melt Temp.		Start Point	Range	
		155°C	145-175°C	
Barrel Zone Temp.	Rear	140°C	140-160°C	
	Center	155°C	155-180°C	
	Front	165°C	165-190°C	
Mold Temp.		45°C	30-50°C	
Processing Temp. Limit		210°C		
Injection Speed		Slow to Moderate		
Back Pressure		5-15MPa		
Pre-Dry Requirements		80°C, 4hr		



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