

Advance Bio Material By Innovation for Greener Earth

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

For making lamination film ADFLEX FT3 generally used in combination with ADFLEX FT1. Ideally suited to process on multilayer film line with more ADFLEX FT 3 in sealant Layer, as it has excellent sealing properties. Some processing aid may be required to improve film with using more ADFLEX FT3.

Features

- Biodegradable and compostable
- Excellent property
- Can be used for making blend for multilayer lamination film

Applications

- Blowing Films
- Blow moulding
- Cast Film

Data Sheet of Raw Material ADFLEX-FT3

Properties	ASTM	Test Conditions	S.I units	Values
Mechanical				
Tensile Strength	D638	50mm/min	MPa	55
Elongation	D638	50mm/min	%	10
Flexural Strength	D790	2mm/min	MPa	65
Flexural Modulus	D790	2mm/min	MPa	2500
Impact Strength, IZOD notched	D256	4mm, 23°C	KJ/m ²	10.5
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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