

# PRODUCT INFORMATION SHEET

ADVANCE BIO MATERIAL COMPANY PVT. LTD.

GRADE: ADFLEX-FT-5

## Production Description

FEATURES	APPLICATIONS
<ul style="list-style-type: none"><li>• Biodegradable</li><li>• Food contact</li></ul>	<ul style="list-style-type: none"><li>• Excellent Property</li><li>• Injection Molding</li></ul>

## Typical Properties

Properties <sup>[1]</sup>	ASTM	Test Condition	S.I. Units	S.I. Typical Values <sup>[2]</sup>
<b>Mechanical Properties</b>				
Tensile Strength	D638	50mm/min	MPa	65
Elongation	D638	50mm/min	%	4.0
Flexural Strength	D790	2mm/min	MPa	95
Flexural Modulus	D790	2mm/min	MPa	6500
Impact Strength, IZOD notched	D256	3.2mm, 23 °C	J/m	38
<b>Thermal</b>				
Heat Distortion Temp. <sup>[3]</sup>	D648	0.45MPa, 6.4mm	°C	60
<b>Others</b>				
Melt Flow Rate	D1238	190 °C, 2.16kg	g/10min	15-21
Specific Gravity	D792	23 °C	g/cm <sup>3</sup>	1.44—1.47
Mold Shrinkage	D955	23 °C	%	0.1-0.5

[1] The values of pigmented material may be different.

[2] The listed values are measured by test specification and used for referential purpose only.

[3] The Heat Distortion Temp. sample without Retreating.