

**Production Description:****FEATURES**

- 100% Compostable & Biodegradable
- Food Contact
- Excellent Mechanical Properties

**APPLICATIONS**

- Blowing Films
- Carry Bags
- Shopping Bags
- Grocery Bags
- Clear Films
- Multilayer Films

**Typical Properties**

Properties	Test Method	Test Conditions	S.I. Units	Values
Melt Flow	ISO1133	190°C, 2.16 Kg	g/10min	3.2
Specific Gravity	ISO 1183	23°C	g/cm <sup>3</sup>	1.24
Flexural Strength	D790	2mm/min	MPa	65
Flexural Modulus	D790	2mm/min	MPa	2500
Heat Distortion Temp.	D648	1.8MPa, 6.4mm	°C	53
Tensile Strength	ISO 527	MD/TD	MPa	55/45
Elongation at Break	ISO 527	MD/TD	%	500/550
Dart	ASTM D 1709-04	4mm, 23°C	g	350(18micron)

[1] Not to be construed as specifications.

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

**Quality Control:**

The melt flow rate, MFR, at 190, 2.16Kg, according to ISO 1133 has been defined as specified parameter for quality control. A certificate can be provided with each lot number upon request. In order to obtain a high accuracy for the MFR measurement the granules should be dried for 5 hours at 80°C. Other data given in our literature are typical values, which are not part of our product specification.

**Storage Conditions:**

Temperatures during transportation and storage may not exceed 70°C at any time. Storage time in an unopened bag may not surpass 12 month at room temperature (23°C).

**Processing Information & Recommendations:**

ADFLEX FT 3 grade can be processed on a conventional extrusion machines.

**Processing Conditions:**

Setting	Range
Melt Temp.	145-175°C
Barrel Zone Temp.	140-160°C
	155-180°C
	165-190°C
Mold Temp.	30-50°C
Processing Temp. Limit	210°C
Injection Speed	Slow to Moderate
Back Pressure	5-15 Mpa
Pre Drying Requirement	80°C, 4 Hr

Well packaged products can be used directly. If package is damaged before use, the product should be dried prior to processing. Moisture levels above 600ppm may impair film-blowing operation. Effective drying takes place at 80°C for 4 hours. The dried product should keep away from moisture. The data sheet is just for reference. In actual process, the parameter should be adjusted.

**Startup and Shutdown:**

Before introducing ADFLEX FT3, machine needs to be well cleaned and purged to prevent cross contamination. Purging procedure to be followed, with respect to material change and processing temperature.

**Form Supplied:**

25Kg/Package

**Notice:**

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