

**Production Description:**

ADFLEX FT Home Compost is made up of Thermoplastics aliphatic aromatic copolyester, PLA & TPS plus other additives

**FEATURES**

- 100% Compostable & Biodegradable
- Safe for Food Contact
- Excellent Mechanical Properties
- Excellent drawdown
- High heat seal strength

**Typical Properties**

Properties	Test Method	Test Conditions	S.I. Units	Values
Melt Flow	ISO1133	190°C, 5Kg	g/10min	5 ~ 10
Specific Gravity	ISO 1183	23°C	g/cm <sup>3</sup>	1.35
Melting Point	DSC	-	°C	110 ~ 120 140 ~ 155
Tensile Strength (MD / TD)	ISO 527	23°C	MPa	24/22
Elongation at Break (MD / TD)	ISO 527	23°C	%	450/550
Tear Strength (MD/TD)	DIN EN ISO 6383-2	23°C	mN	1500/1200
Dart	ASTM D 1709-04	23°C	g	250

[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, 5Kg, 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 months at room temperature (23°C).

**Processing Information & Recommendations:**

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

**Processing Conditions:**

Setting	Range
Melt Temp.	130-140°C
Barrel Zone Temp.	Rear 125-135°C
	Centre 130-140°C
	Front 125-135°C
Die Head Temp.	130-140°C
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 FT Home Compost, 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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