



JF18010

LINEAR LOW DENSITY POLYETHYLENE BLOWN FILM GRADE

JF18010 is a Butene comonomer based Linear Low Density Polyethylene (LLDPE), with optimum levels of antioxidants, but does not contain any slip or antiblock. This grade is designed for flexible packaging applications. It has excellent draw down characteristics with very good toughness, tensile strength and tear resistance.

Additives details:

- Slip: Nil
- Antiblock: Nil
- Heat Stabilizer: Yes

TYPICAL CHARACTERISTICS*

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
Density (23°C)	ASTM D 792	g/cc	0.920
Melt Flow Index (190°C / 2.16 Kg)	ASTM D 1238	g/10 min	1.1
Film Properties**			
Tensile Strength at Yield (MD / TD)	ASTM D 882	MPa	13.0 / 14.0
Ultimate Tensile Strength (MD / TD)	ASTM D 882	MPa	50.0 / 36.0
Elongation at Break (MD / TD)	ASTM D 882	%	800 / 1000
Dart Impact Strength, F50	ASTM D 1709A		3.5
Tear Strength (MD / TD)	ASTM D 1922	g/μm	5.0 / 15.0
Haze	ASTM D 1003	%	13
Gloss (60°)	ASTM D 2457	-	75

* Typical characteristics and not to be taken as specifications

** Typical properties measured on 40 μm blown film made with 1.8 mm die gap & 2.50 BUR

APPLICATIONS:

Mono & Multilayer Blown/Cast films for lamination, stretch cling films & protection films.

Typical Process Conditions:

- Typical Process Temp (°C) - 180 – 220
- Recommended Blow Up Ratio (BUR): 2.0 – 3.0

Regulatory Information

- Meets the requirements stipulated in standard IS: I0146 on "Specification for Polyethylene for safe use in contact with foodstuffs, pharmaceuticals, and drinking water". It also conforms to IS 16738:2018 "Positive List of Constituents for Polypropylene, Polyethylene and their Copolymers for its Safe Use in Contact with Foodstuffs and Pharmaceuticals"
- The grade and the additives incorporated in it also comply with the FDA: CFR Title 21,177.1520, Olefin polymers.

Storage Recommendations

- Bags should be stored in dry/closed conditions at temperatures below 50°C and protected from UV / direct sunlight.