



# JF18020

## LINEAR LOW DENSITY POLYETHYLENE FILM EXTRUSION GRADE

This is a butene based Linear Low Density Polyethylene grade with Optimum level of Antioxidants. This grade does not contain any slip or antiblock, designed for good processing on Blown & Cast Film lines with excellent balance of mechanical & optical properties.

### Additives details:

JF18020: ● Slip: Nil      ● Antiblock: Nil      ● Heat Stabilizer: Yes

### TYPICAL CHARACTERISTICS\*

Property	Test Method	Unit	Typical Value**
Density (23°C)	ASTM D 792	g/cm <sup>3</sup>	0.920
Melt Flow Index (190°C / 2.16 Kg)	ASTM D 1238	g/10 min	2.3
<b>Film Properties**</b>			
Tensile Strength at Break (MD/TD)	ASTM D 882	MPa	38/20
Elongation at Break (MD / TD)	ASTM D 882	%	500/800
Dart Impact Strength, F50	ASTM D 1709A	g/μm	1.9
Tear Strength (MD / TD)	ASTM D 1922	g/μm	1.8 / 16
Haze	ASTM D 1003	%	0.8
Gloss (20°)	ASTM D 2457	-	105

\* Typical characteristics and not to be taken as specifications

\*\* Typical values of 25 μ cast film made with following parameters: Cast line output – 20 kg/hr, Melt Temperature - 270°C, Die Length – 600 mm, Die Gap – 0.8 mm, Chill Roll temp – 18°C, Line speed – 15 mpm

### APPLICATIONS:

Blown & Cast film for Industrial Packaging, Stretch Wrap, Cling film for food or hygiene packaging, Bubble Wrap, Protective Packaging and Lamination film.

**Typical Process Conditions for Cast film:**

- Typical Process Temp (°C) - 180 – 240
- Die Gap – 0.7 -1.5 mm

**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.