



# F22020 F18020

## LINEAR LOW DENSITY POLYETHYLENE FILM EXTRUSION GRADE

This is butene based Linear Low Density Polyethylene grade with Optimum level of Antioxidants and is designed for good processing on Blown and Cast Film lines with balanced mechanical & optical Properties

**F22020:** With Slip & Anti block

**F18020:** Without Slip & Anti block

Typical Characteristics*			
Property	Test Method	Unit	Typical Value**
Melt Flow Index (190°C / 2.16 Kg)	ASTM D 1238	g/10 min.	2.0
Density (23°C)	ASTM D 1505	g/cm <sup>3</sup>	0.918
Film Properties			
Tensile Strength at Yield (MD / TD)	ASTM D 882	MPa	12 / 10
Tensile Strength at Break (MD/TD)	ASTM D 882	MPa	36 / 28
Elongation at Break (MD / TD)	ASTM D 882	%	800 / 950
Tear Strength (MD / TD)	ASTM D 1922	g/μm	2.5 / 7.5
Dart Impact Strength, F50 (38 mm dart, 66 cm height)	ASTM D 1922	g/ μm	2.25
Haze	ASTM D 1003	%	15

\* Typical characteristics and not to be taken as specifications

\*\* Typical values of 40 μ film made with 1.8 mm die gap & 2.25 BUR on F18020.

### APPLICATIONS:

Blown & Cast Films. For Co extrusion, Lamination, Mulch films for Agriculture, Shopping bags, Liners, Protection films, Bubble wrap films & other packaging films.

### Regulatory Information

- Meets the requirement stipulated in standard IS: 10146 on "Specification for Polyethylene for safe use in contact with foodstuff, pharmaceutical, and drinking water". It also conforms to the positive list of constituents as prescribed in IS: 10141. 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.

Reliance Industries Limited