



# F19010 F18010

## LINEAR LOW DENSITY POLYETHYLENE BLOWN FILM GRADE

These are Butene comonomer based Linear Low Density Polyethylene (LLDPE), with optimum levels of antioxidants. The grades are designed for blown film applications. They have excellent draw down characteristics with very good impact strength and tear resistance.

**F19010:** With Slip & Antiblock

**F18010:** Without Slip & Antiblock

### TYPICAL CHARACTERISTICS\*

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
Density (23°C)	ASTM D 1505	g/cc	0.918
Melt Flow Index (190°C / 2.16 Kg)	ASTM D 1238	g/10 min.	1.0
<b>Film Properties**</b>			
Tensile Strength at Yield (MD / TD)	ASTM D 882	MPa	12.5 / 12.0
Ultimate Tensile Strength (MD / TD)	ASTM D 882	MPa	38.0 / 30.0
Elongation at Break (MD / TD)	ASTM D 882	%	700 / 800
Dart Impact Strength, F50 (38 mm dart, 66 cm height)	ASTM D 1709	g/ mic.	3.5
Haze	ASTM D 1003	%	14
Tear Strength (MD / TD)	ASTM D 1922	g/μm	3.3 / 10.3

\* Typical characteristics and not to be taken as specifications

\*\* Typical properties measured on 40 μm film made with 1.8 mm die gap & 2.50 BUR on F18010.

### APPLICATIONS:

Mono & Multilayer Blown films for liner bags, lamination films, films for liquid packaging and consumer packaging. Non Slip & Anti block grades for Stretch Cling films, Lamination & Protection 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,