



# F18010

## LINEAR LOW DENSITY POLYETHYLENE BLOWN FILM GRADE

F 18010 is a butene comonomer based Linear Low Density Polyethylene (LLDPE), without antiblock and slip additives. The grade is designed for lamination film application.

Typical Characteristics*			
Property	Test Method	Unit	Typical Value**
Density (23°C)	ASTM D1505	g/cc	0.918
MFI (190°C/2.16 Kg)	ASTM D1238	g/10 min	0.90
Tensile Strength at Yield (MD/TD)	ASTM D882	MPa	12.5/12.0
Ultimate Tensile Strength (MD/TD)	ASTM D882	MPa	38.0/30.0
Elongation at Break (MD/TD)	ASTM D882	%	650/800
Dart Impact Strength, F <sub>50</sub> (38 mm Dart, 66 cm Height)	ASTM D1709	g/μm	3.5
Tear Strength (MD/TD)	ASTM D1922	g/μm	3.3/10.3

\*Typical Characteristics and not to be taken as specifications

\*\* Typical Values (Mechanical) with 40 μ film made with 1.8 mm die gap & 2.25 BUR

### Applications

Lamination film.

### Regulatory Information

- Meets the requirements stipulated in standard IS : 10146 on "Specification for Polyethylene for safe use in contact with foodstuffs, pharmaceuticals, 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.