



# LL20FS010

## LINEAR LOW DENSITY POLYETHYLENE FILM EXTRUSION GRADE

LL20FS010 is a Butene Comonomer based Linear Low Density Polyethylene (LLDPE) with optimum levels of antioxidant, antiblocking agent & slip additives. The grade is designed to make blown film for heavy duty & liquid packaging applications.

Typical Characteristics*			
Property	Test Method	Unit	Typical Value**
Melt Flow Index (190°C/2.16 kg)	ASTM D1238	gm/10 min	1.0
Density (23°C)	ASTM D1505	gm/cm <sup>3</sup>	0.920
Tensile Strength at break (MD/TD)	ASTM D882	kg/cm <sup>2</sup>	400/300
Elongation at break (MD/TD)	ASTM D882	%	700/800
Tear Strength (MD/TD)	ASTM D1922	gm/25 μm	3.3/10.3
Dart Drop Impact (F-50)	ASTM D1709/A	g/μm	3

\* Typical values not to be taken as specification

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

### Applications

Slip, anti-block grade for heavy duty film, liquid packaging

### 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.