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# LL20FA020

## LINEAR LOW DENSITY POLYETHYLENE FILM EXTRUSION GRADE

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LL20FA020 is a Butene Comonomer based Linear Low Density Polyethylene (LLDPE) with only optimum levels of antioxidants. The grade is designed for manufacturing Cast/Air bubble/ Lamination films.

Typical Characteristics*			
Property	Test Method	Unit	Typical Value**
Melt Flow Index (190°C/2.16 kg)	ASTM D1238	gm/10 min	2.0
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>	300/250
Elongation at Break (MD/TD)	ASTM D882	%	800/950
Elmendorff Tear Strength (MD/TD)	ASTM D1922	gm/25 mic	200/400
Dart Drop Impact (F-50)	ASTM D1709/A	g/mic	2.25

\* Typical values not to be taken as specification

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

### Applications

Lamination film/cast film, stretch film.

### Regulatory Information

- Meets the requirements stipulated in standard IS : 10146-1982 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 : 10141-1982. 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.