



# F I 8020

## LINEAR LOW DENSITY POLYETHYLENE CAST FILM GRADE

F I 8020 is a butene comonomer based Linear Low Density Polyethylene (LLDPE), with optimum levels of antioxidants and polymer processing aid, but without antiblock and without slip additives. The grade is designed for manufacturing cast films, air bubble films and films for lamination applications.

Typical Characteristics*			
Property	Test Method	Unit	Typical Value**
Density (23°C)	ASTM D 1505	g/cc	0.917
MFI (190°C/2.16 Kg)	ASTM D 1238	g/10 min	2.0
Tensile Yield Strength (MD/TD)	ASTM D882	MPa	12.5/12.0
Ultimate Tensile Strength (MD/TD)	ASTM D882	MPa	30.0/25.0
Elongation at Break (MD/TD)	ASTM D882	%	700/800
Dart impact Strength, F <sub>50</sub> (38 mm Dart, 66 cm Height)	ASTM D 1709	g/μm	3.0
Tear Strength (MD/TD)	ASTM D 1922	g/μm	2.0/7.3

\*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

Laminatin 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.

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