



J1007FA20

LOW DENSITY POLYETHYLENE FILM/FOAMGRADE

J1007FA20 is a film grade Low Density Polyethylene (LDPE). It has been specially designed for easy processing on blown film plants. The grade is manufactured without any slip additive for lamination film application.

The grade can be used alone or for blending in foam application for better melt strength.

Additives details:

- Slip: Nil
- Antiblock: Nil

TYPICAL CHARACTERISTICS*

PROPERTY	TESTMETHOD	UNIT	TYPICAL VALUE**
Density (23°C)	ASTM D 792	g/cc	0.923
Melt Flow Index (190°C / 2.16 Kg)	ASTM D 1238	g/10 min.	0.70
Tensile Strength at Break (MD / TD)	ASTM D 882	MPa	21.0 / 20.0
Elongation at Break (MD / TD)	ASTM D 882	%	250 / 500
Dart Impact Strength (F50)	ASTM D 1709/A	g / μm	3.1

* Typical characteristics and not to be taken as specifications

** Typical value (Mechanical) with 40 μ film made with 0.7 mm die gap & 2.5 BUR

APPLICATIONS:

Co-extruded films for lamination, may be used alone or as blending component in Foam extrusion.

Typical Process Conditions for Foam Extrusion

- Heating Zones (°C): 150 – 200
- Cooling Zone (°C): 80 - 100

Typical Process Conditions for Film Extrusion

- Typical Process Temp (°C) - 160 – 200
- Recommended Blow Up Ratio (BUR): 2.0 – 3.0

Regulatory Information

- Meets the requirements stipulated in standard IS: I0146 on "Specification for Polyethylene for safe use in contact with foodstuffs, pharmaceuticals, and drinking water". It also conforms to IS 16738:2018 "Positive List of Constituents for Polypropylene, Polyethylene and their Copolymers for its Safe Use in Contact with Foodstuffs and Pharmaceuticals"
- 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.