



1070LA17 LOW DENSITY POLYETHYLENE

FOR EXTRUSION COATING AND FILM APPLICATIONS

1070LA17 is an extrusion coating grade Low density Polyethylene (LDPE) produced by high pressure autoclave process. This grade is specially developed for extrusion coating on different substrates and contains no additives. It exhibits excellent drawdown characteristics maintaining good adhesion, with very low neck-in even at high line speeds. It can also be easily processed into thin gauge films for adhesive lamination and heat and pressure lamination.

Typical Characteristics•			
Property	Test Method	Unit	Typical Value**
Melt Flow Index (190°C/2.16 kg)	ASTM D1238	gm/10min	8.5
Density (23°C)	ASTM D1505	gm/cc	0.917
Tensile Strength at Break (MD/TD)	ASTM D882	MPa	18/15
Elongation at Break (MD/TD)	ASTM D882	%	250/400

* Typical characteristics and not to be taken as specifications

** Typical properties measured on 40 µm blown film made with 1.0 mm die gap & 2.0 BUR

APPLICATIONS

Extrusion coating, heat & pressure lamination film.

Typical Process Conditions:

- Typical Process Temp (°C) - 200 – 320

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.
- 1070LA17 is not intended for use in medical and pharmaceutical applications.

Storage Recommendations

- Bags should be stored in dry/closed conditions at temperatures below 50 °C and protected from UV / direct sunlight.