



J22FA002E

LOW DENSITY POLYETHYLENE FOR HEAVY DUTY FILM APPLICATIONS

J22FA002E is a film grade Low Density Polyethylene (LDPE) produced by high pressure tubular process. It has been specially designed for the production of film with good environmental stress crack resistance, mechanical and impact resistance. Film produced from this grade is ideally suitable for heavy duty applications.

TYPICAL CHARACTERISTICS*

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE**
Melt Flow Index (190°C / 2.16 Kg)	ASTM D 1238	g/10 min	0.5
Density (23°C)	ASTM D 792	g/cc	0.923
Tensile Strength at Break (MD/TD)	ASTM D 882	MPa	26/24
Elongation at Break (MD/TD)	ASTM D 882	%	400/600
Dart Impact Strength (F50)	ASTM D 1709/A	g/μm	5.5

* Typical characteristics and not to be taken as specifications

** Typical values (Mechanical) with 40μ film made with 0.8 mm die gap & 2.0 BUR.

Applications

Heavy duty bags, Shrink film, Canal Lining, Greenhouse film.

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 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
- BIS Designation Code : IS 7328-1-FA-BDA.
- Not to be used in the manufacture of Single Use Plastic (SUP) items prohibited under PWM Rules, 2016.

Storage Recommendations

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