22FA002

LOW DENSITY POLYETHYLENE
FOR HEAVY DUTY FILM APPLICATIONS

22FA002 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 (190^0C / 2.16 Kg)	ASTM D 1238	g/10 min	0.2
Density (23°C)	ASTM D 792	g/cc	0.920
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 (F_{50})	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 1 mm die gap & 2.0 BUR.

Applications:

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

Regulatory Information

- Meets the requirement stipulated in standard IS: 10146 on “Specification for Polyethylene for safe use in contact with foodstuff, pharmaceutical, and drinking water”. It also conforms to the positive list of constituents as prescribed in IS: 10141. 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.

Reliance Industries Limited, Product Application & Research Center (PARC)
RIL Baroda Complex, P. O. Petrochemicals, Vadodara 391346, Gujrat. Tel.: +91-265-6696000. E-mail: polymer_patsupport@ril.com Website: www.ril.com

Updated as of April 2020