



# 24FS040

## LOW DENSITY POLYETHYLENE FOR GENERAL PURPOSE FILM APPLICATIONS

24FS040 is a film grade Low Density Polyethylene (LDPE) produced by high pressure tubular process. It can be extruded with considerable ease on any conventional LDPE extruder. The polymer has been blended with necessary additives during manufacture to obtain good surface slip and easy openability between two layers of the film.

Typical Characteristics*			
Property	Test Method	Unit	Typical Value**
Melt Flow Index (190°C/2.16 kg)	ASTM D1238	gm/10 min	4.0
Density (23°C)	ASTM D1505	gm/cm <sup>3</sup>	0.922
Tensile Strength at Break (MD/TD)	ASTM D882	MPa	18/16
Elongation at Break (MD/TD)	ASTM D882	%	250/400
Dart Impact Strength (F-50)	ASTM D1709/A	g/μm	2.0

\*Typical Characteristics and not to be taken as specifications

\*\* Typical Values (Mechanical) with 40 μ film made with 1 mm die gap & 2.0 BUR

### Applications

High slip grade for shopping bags, general purpose packaging.

### 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 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.