



# 1003FA20

## LOW DENSITY POLYETHYLENE HEAVY DUTY FILM APPLICATIONS

1003FA20 is a film grade Low Density Polyethylene (LDPE) produced by high pressure autoclave 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.	0.3
Density ( @ 23°C )	ASTM D 1505	g/cm <sup>3</sup>	0.920
Tensile Strength at Break (MD/TD)	ASTM D 882	MPa	25/22
Elongation @ Break (MD/TD)	ASTM D 882	%	300/550
Dart Drop Impact ( F-50 )	ASTM D 1709/A	g/μm	5.0

\*Typical characteristics are not to be taken as specifications.

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

### APPLICATIONS :

Heavy Duty / Shrink Film, UV Film, W&C Compound, Agri-Film

### Regulatory Information

Meets the requirement stipulated in standard IS: 10146-1982 on "Specification for Polyethylene for safe use in contact with foodstuffs, pharmaceuticals, and drinking water". It also conforms to positive list of constituents as prescribed in IS: 10141-1982. 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,