



# 1005FY20

## LOW DENSITY POLYETHYLENE FILM GRADE

1005FY20 is specially designed for the production of multilayer films in blends with LLDPE for packaging of Liquids (milk, oil etc) & solids on fully automatic Form, Fill & Seal (FFS) machines. Film produced from this grade exhibits good impact resistance, and heat sealing characteristics. The incorporation of necessary additives in the polymer ensures good surface slip and smooth flow of film on packaging machines. It can be pigmented by using suitable food contact approved master batches.

### TYPICAL CHARACTERISTICS\*

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE**
Density (23°C)	ASTM D 1505	g/cc	0.920
Melt Flow Index (190°C / 2.16 Kg)	ASTM D 1238	g/10 min.	0.50
Tensile Strength at Break (MD / TD)	ASTM D 882	MPa	21.0 / 20.0
Elongation at Break (MD / TD)	ASTM D 882	%	300 / 525
Dart Impact Strength (F50)	ASTM D 1709/A	g / $\mu$ m	3.7

\* Typical characteristics and not to be taken as specifications

\*\* Typical value (Mechanical) with 40  $\mu$  film made with 0.7 mm die gap & 2.0 BUR

### APPLICATIONS:

Medium slip grade for mono and co-extruded films for packaging.

### 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