1005FY20

LOW DENSITY POLYETHYLENE

LIQUID PACKAGING APPLICATIONS

1005FY20 is a film grade Low Density Polyethylene (LDPE) produced by high pressure autoclave process. It has been specially formulated for the production of films for liquid milk packaging on fully automatic form, fill and seal type of 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 masterbatches. Films up to 40 micron in thickness can be processed easily from this grade.

Typical Characteristics*			
Property	**Test Method**	**Unit**	**Typical Value****
Melt Flow Index (190°C/2.16 kg)	ASTM D1238	gm/10 min	0.5
Density (23°C)	ASTM D1505	gm/cm^3	0.920
Tensile Strength at Break (MD/TD)	ASTM D882	MPa	21/20
Elongation at Break (MD/TD)	ASTM D882	%	300/525
Dart Drop Impact (F-50)	ASTM D1709/A	$g_f/\mu m$	3.7

*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

Medium slip grade for mono & co-extruded film for liquid packaging.

Regulatory Information

- Meets the requirements 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 the 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.

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