F19010

LINEAR LOW DENSITY POLYETHYLENE

BLOWN FILM GRADE

F 19010 is a butene comonomer based Linear Low Density Polyethylene (LLDPE), with optimum levels of antioxidant, antiblocking agent, slip additive and polymer processing aid. The grade is designed to make blown film for heavy duty applications and liquid packaging, where good toughness, impact strength and tear resistance are desired.

Typical Characteristics*			
Property	**Test Method**	**Unit**	**Typical Value****
Density (23°C)	ASTM D1505	g/cc	0.918
MFI (190°C/2.16 Kg)	ASTM D1238	g/10 min	0.90
Tensile Strength at Yield (MD/TD)	ASTM D882	MPa	12.5/12.0
Ultimate Tensile Strength (MD/TD)	ASTM D882	MPa	38.0/30.0
Elongation at Break (MD/TD)	ASTM D882	%	650/800
Dart Impact Strength, F_{50} (38 mm Dart, 66 cm Height)	ASTM D1709	g/μm	3.5
Coefficient of Friction Static Dynamic	ASTM D1894	-	 0.23 0.16
Gloss (60°)	ASTM D523	%	80
Tear Strength (MD/TD)	ASTM D1922	g/μm	3.3/10.3

*Typical Characteristics and not to be taken as specifications
**Typical Values (Mechanical) with 40 μ film made with 1.8 mm die gap & 2.25 BUR

Applications

Slip, anti-block grade for heavy duty film, 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.