



HP I 9010

LINEAR LOW DENSITY POLYETHYLENE BLOWN FILM GRADE

HP I 9010 is a Linear Low Density Polyethylene (LLDPE), with optimum levels of antioxidants, anti blocking agents and slip additives. The grade is designed to make blown film for heavy duty applications and liquid packaging, where good toughness, impact and tear resistance are desired.

Typical Characteristics*			
Property	Test Method	Unit	Typical Value**
Density (23°C)	ASTM D1505	g/cc	0.922
MFI (190°C/2.16 Kg)	ASTM D 1238	g/10 min	1.1
Tensile Strength at Yield (MD/TD)	ASTM D 882	MPa	12/11.5
Ultimate Tensile Strength (MD/TD)	ASTM D 882	MPa	38/30
Tensile Modulus (MD/TD)	ASTM D 882	MPa	310/350
Elongation at Break (MD/TD)	ASTM D 882	%	700/850
Dart impact Strength F ₅₀ (38 mm Dart, 66 cm Height)	ASTM D 1709	g/μm	3.7
Co-efficient of Friction (Static/Dynamic)	ASTM D 1894		0.23/0.16
Gloss (60°)	ASTM D 523	%	80
Haze	ASTM D 1003	%	25

*Typical characteristic not to be taken as specifications.

**Typical Values (Mechanical) with 40μ 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 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.