O21010

LINEAR LOW DENSITY POLYETHYLENE

FOR BLOWN FILM GRADE

O 21010 is an octene comonomer based Linear Low Density Polyethylene (LLDPE), with optimum levels of antioxidant and polymer processing aid but without slip additive and antiblocking agent. The grade is designed for lamination film applications where good optical properties and adhesion to the substrate are required.

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	12.5/13.0
Ultimate Tensile Strength (MD/TD)	ASTM D882	MPa	45.0/40.0
Elongation at Break (MD/TD)	ASTM D882	%	750/950
Dart Impact Strength, F_{50} (38 mm Dart, 66 cm Height)	ASTM D1709	g/μm	7.0
Co-efficient of Friction Static Dynamic	ASTM D1894	-	 0.58 0.50
Gloss (60°)	ASTM D523	%	80
Tear Strength (MD/TD)	ASTM D1922	g/μm	13.8/27.6

*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

Specialty lamination film.

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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