



F22020

LINEAR LOW DENSITY POLYETHYLENE FOR BLOWN FILM GRADE

F 22020 is a butene comonomer based Linear Low Density Polyethylene (LLDPE), with optimum levels of antioxidants, antiblocking agent and slip additive. The grade is designed to make blown film for general purpose applications and blending with LDPE.

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	1.70
Tensile Yield Strength (MD/TD)	ASTM D882	MPa	12.0/11.5
Ultimate Tensile Strength (MD/TD)	ASTM D882	MPa	28.0/25.0
Elongation at Break (MD/TD)	ASTM D882	%	700/800
Dart Impact Strength, F ₅₀ (38 mm Dart, 66 cm Height)	ASTM D1709	g/μm	3.0
Co-efficient of Friction	ASTM D1894	--	
Static			0.23
Dynamic			0.16
Tear Strength (MD/TD)	ASTM D1922	g/μm	2.4/7.4

*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 general purpose film blending.

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.