JF19020

LINEAR LOW DENSITY POLYETHYLENE
FILM EXTRUSION GRADE

JF19020 is a butene based Linear Low Density Polyethylene grade with Optimum level of Antioxidants, Slip and Antiblock, designed for good processing on Blown & Cast Film lines with balanced mechanical & optical properties.

Additives details:

- Slip: Yes
- Antiblock: Yes
- Heat Stabilizer: Yes

TYPICAL CHARACTERISTICS*

Property	Test Method	Unit	Typical Value**
Density (23°C)	ASTM D 792	g/cm3	0.920
Melt Flow Index (190°C / 2.16 Kg)	ASTM D 1238	g/10 min	2.0
Film Properties**			
Tensile Strength at Yield (MD/TD)	ASTM D 882	MPa	12/10
Tensile Strength at Break (MD/TD)	ASTM D 882	MPa	36/28
Elongation at Break (MD / TD)	ASTM D 882	%	800/950
Dart Impact Strength, F50	ASTM D 1709A	g/µm	2.0
Tear Strength (MD / TD)	ASTM D 1922	g/µm	2.5/7.5
Haze	ASTM D 1003	%	15
Gloss (60°)	ASTM D 2457	-	65

* Typical characteristics and not to be taken as specifications
** Typical values of 40 µ blown film made with 1.8 mm die gap & 2.5 BUR

APPLICATIONS:

Blown Films for Co-extrusion, Agricultural Films, Shopping bags, Liners, Consumer packaging & other general purpose packaging films.

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Typical Process Conditions:

- Typical Process Temp (˚C) : 180 – 220
- Recommended Blow Up Ratio (BUR): 2.0 – 3.0

Regulatory Information

- Meets the requirements stipulated in standard IS: I0146 on "Specification for Polyethylene for safe use in contact with foodstuffs, pharmaceuticals, and drinking water". It also conforms to IS 16738:2018 “Positive List of Constituents for Polypropylene, Polyethylene and their Copolymers for its Safe Use in Contact with Foodstuffs and Pharmaceuticals”
- 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.