

F17030

LINEAR LOW DENSITY POLYETHYLENE FILM EXTRUSION GRADE

Relene F17030 is a butene based Linear Low Density Polyethylene grade with Optimum level of Antioxidants & without Slip & Anti block. This grade is designed for good processing on Cast Film lines with balanced mechanical & optical properties.

Typical Characteristics*			
Property	Test Method	Unit	Typical Value**
Melt Flow Index (190 ^o C / 2.16 Kg)	ASTM D 1238	g/10 min.	3.0
Density (23 ^o C)	ASTM D 792	g/cm ³	0.918
Film Properties			
Tensile Strength at Yield (MD / TD)	ASTM D 882	MPa	12 / 10
Tensile Strength at Break (MD/TD)	ASTM D 882	MPa	30 / 20
Elongation at Break (MD / TD)	ASTM D 882	%	450 / 650
Tear Strength (MD / TD)	ASTM D 1922	g/μm	2.5 / 11.0
Dart Impact Strength, F ₅₀ (38 mm dart, 66 cm height)	ASTM D 1709A	g/ μm	2.3
Haze	ASTM D 1003	%	2.0
Gloss @ 60 ^o	ASTM D 2457		95

* Typical characteristics and not to be taken as specifications

** Typical values of 25 μ cast film made with following parameters: Cast line output – 20 kg/hr, Melt Temperature - 270°C, Die Length – 600 mm, Die Gap – 0.8 mm, Chill Roll temp – 18°C, Line speed – 15 mpm

APPLICATIONS:

Co ex Films, Stretch & Cling Films, Hygiene Films, Personal Care, General Purpose packaging.

Regulatory Information

- This grade meets the requirements stipulated in IS 7328:2020, "Specification For Polyethylene Material For Moulding And Extrusion" and it's subsequent amendments, when the products are used 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.
- F17030 is not intended for use in medical and pharmaceutical applications.
- BIS Designation Code : IS 7328-2B-KBE-BDC.
- Not to be used in the manufacture of Single Use Plastic (SUP) items prohibited under PWM Rules, 2016.

Storage Recommendations

- Bags should be stored in dry/closed conditions at temperatures below 50°C and protected from UV / direct sunlight.