



GAIL (India) Ltd.
(A Govt. of India Undertaking)
Petrochemicals Marketing

F18A020U

Linear Low Density Polyethylene Film

Product Description and Typical Applications:

F18A020U has excellent gloss and drawdown properties. It is without slip and anti-blocking agent additives. It is especially use in the production of stretch film by cast process and is also used in blend with LDPE for light duty blown film applications. The material conforms to natural resin designation IS 7328-2B-FBE-BXDB of IS 7328:2020.

Property	Values*	Unit	Test Method
Melt Flow Index (I ₂)	2.0	g/10min	ASTM D1238
Density @ 23°C	0.918	g/cc	ASTM D1505
Tensile Strength @ Break (MD/TD)	350/250	kg/cm ²	ASTM D882
Elongation @ Break (MD/TD)	450/850	%	ASTM D882
Tear Strength (MD/TD)	2/10	g/mic	ASTM D1922
Dart Impact Strength	2.8	g/mic	ASTM D1709

* Typical characteristics of the product given purely as a guide. Film properties were measured on 25 micron cast film extruded at 270 °C.

Processing Guidelines:

Cast Film:

Processing temperature: 260°C - 280°C

Blown Film

Barrel temperature: 180 - 220°C

Blow up ratio: 2.0 to 3.0

Regulatory Information:

Certificate is available on request.

Packaging & Storage:

F18A020U is available in natural colour, pellet form in 25 kg woven sacks. The product should be stored in dry conditions at temperature below 50°C and protected from UV light.

For any technical assistance contact:

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The information, data and suggestions contained herein are to the best of our knowledge accurate and reliable. It is the ultimate responsibility of the user to ensure that the product is suited and the information is applicable to the user specific application.