



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

E20AN009

Linear Low Density Polyethylene for Blown Film Extrusion

Product Description and Typical Applications:

E20AN009 is recommended for lamination and cling film applications. It has excellent processability with optimum combination of mechanical and optical properties. It does not contain slip and antiblock additive. The material conforms to natural resin designation IS 7328-2B-FBE-BXDA of IS 7328:2020.

Property	Values*	Unit	Test Method
Melt Flow Index (I ₂)	0.9	g/10min	ASTM D1238
Density @ 23°C	0.918	g/cc	ASTM D1505
Tensile Strength @ Break (MD/TD)	350/300	kg/cm ²	ASTM D 882
Elongation @ Break (MD/TD)	650/750	%	ASTM D 882
Tear Strength (MD/TD)	3/10	g/mic	ASTM D1922
Dart Impact Strength	3.0	g/mic	ASTM D1709
COF (Static/Dynamic)	0.6/0.5	-	ASTM D1894
Haze	9	%	ASTM D1003

*Typical characteristics of the product given purely as a guide. Film properties were measured on 40-micron film made with 2.0 mm die gap and BUR 2.2.

Processing Guidelines:

Barrel temperature: 170 - 200°C

Blow up ratio: 2.0 to 2.25

Die gap: 1.8 to 2.2

Regulatory Information:

Certificate is available on request.

Packaging & Storage:

E20AN009 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.