



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

E20AN009

Linear Low Density Polyethylene for Blown Film Extrusion

Application: E20AN009 is recommended for lamination and stretch film applications. It has excellent processability with optimum combination of mechanical and optical properties. It does not contain slip and antiblock additive.

Property	Values*	Unit	Test Method
Melt Flow Index (I ₂)	0.9	gm/10min	ASTM D1238
Density	0.918	gm/cc	ASTM D1505
Tensile Strength @Break (MD/TD)	390/310	kg/cm ²	ASTM D 882
Elongation @Break (MD/TD)	700/800	%	ASTM D 882
Tear Strength (MD/TD)	3.0/10	gm/mic	ASTM D1922
Dart Impact Strength	3.4	gm/mic	ASTM D1709
Coefficient of Friction (Static/Dynamic)	0.6/0.5	-	ASTM D1894
Haze	9	%	ASTM D1003

* Typical characteristics of the product given purely as a guide. Mechanical/Optical properties were determined on 40 micron film made with 2.0mm 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 strong bags made of woven fabric. The product should be stored in dry conditions at temperature below 50°C and protected from UV light.

For any technical assistance contact:

GAIL Polymer Technology Centre

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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.

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