



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

## F20S009

### Linear Low Density Polyethylene for Blown Film Extrusion

**Application:** F20S009 is optimally stabilized with antioxidants, slip additive, antiblocking agent and processing aid.

It has excellent processability with optimum combination of mechanical, optical and sealing characteristics. It is recommended for general purpose, heavy duty and liquid packaging in laminated / non-laminated film applications.

Property	Values*	Unit	Test Method
Melt Flow Index (I <sub>2</sub> )	0.9	gm/10min	ASTM D1238
Density	0.918	gm/cc	ASTM D1505
Tensile Strength @Break (MD/TD)	390/310	kg/cm <sup>2</sup>	ASTM D882
Elongation @Break (MD/TD)	700/800	%	ASTM D882
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)	0.22/0.17	-	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:

F20S009 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.

Revised in Apr'2008