



GAIL (India) Ltd.
India's Youngest Maharatna

I26A500U

(Provisional Technical Datasheet)

LLDPE for Injection Moulding & Masterbatch

Product Description and Typical Applications:

I26A500U has excellent gloss and high flow. This resin has been designed to have an excellent balance of impact strength, rigidity, environmental stress crack resistance and processability. It is used in injection molded applications such as food containers, caps, closures and also, as a base resin for manufacturing masterbatches.

Property	Values*	Unit	Test Method
Melt Flow Index (I ₂)	50	gm/10min	ASTM D1238
Density	0.926	gm/cc	ASTM D1505
Tensile Strength @Yield	98	kg/cm ²	ASTM D638
Elongation @ Break	120	%	ASTM D638
Flexural Modulus	4000	kg/cm ²	ASTM D790
Vicat Softening Temperature	90	°C	ASTM D1525

* Typical characteristics of the product given purely as a guide. Plaque Molded & tested in accordance with ASTM D4976.

Processing Guidelines:

Barrel temperature: 180 - 230°C

Mould Temperature: 20 - 55 °C

Regulatory Information:

Certificate is available on request.

Packaging & Storage:

I26A500U 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.