



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

I26A500U

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 master batches. The material conforms to natural resin designation IS 7328-2B-MB-BXDG of IS 7328:2020.

Property	Values*	Unit	Test Method
Melt Flow Index (I ₂)	50	gm/10min	ASTM D1238
Density @ 23°C	0.926	gm/cc	ASTM D1505
Tensile Strength @ Yield	98	kg/cm ²	ASTM D638, Type IV
Elongation @ Break	120	%	ASTM D638, Type IV
Vicat Softening Point	90	°C	ASTM D1525

* Typical characteristics of the product given purely as a guide. Mechanical properties were determined on compression molded specimens.

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 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.