



GAIL (India) Ltd.
India's Youngest Maharatna

I56A200U

(Provisional Technical Datasheet)

High Density Polyethylene for Injection Moulding

Product Description and Typical Applications:

I56A200U has excellent processability with low degree of warpage and good mechanical properties. It is characterized by fast cycling and is especially suitable for household items like Buckets, Mug, Toys etc.

Property	Values*	Unit	Test Method
Melt Flow Index (I ₂)	20	gm/10min	ASTM D1238
Density	0.956	gm/cc	ASTM D1505
Tensile Strength @Yield	310	kg/cm ²	ASTM D638
Elongation @ Yield	10	%	ASTM D638
Flexural Modulus	11000	kg/cm ²	ASTM D790

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

Processing Guidelines:

Barrel temperature: 200 - 280°C

Mould temperature: 30-40°C

Regulatory Information:

Certificate is available on request.

Packaging & Storage:

I56A200U 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

B-35/36, Sector-1, Noida, UP-201301, Tel: +91-0120-2549155/156, 2549310; Fax: 011-26185941

Website: www.gailonline.com

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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