



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

I62U080U (UV Stabilized) **High Density Polyethylene for Injection Moulding**

Product Description and Typical Applications:

I62U080U is duly stabilized with UV stabilizer for long service life under outdoor exposure. It combines superior processability with optimum balance of mechanical properties and low degree of warpage. It is widely used in soft drink crates, milk crates, fishing crates, helmets etc. The material conforms to natural resin designation IS 7328-3-MD-HXDD of IS 7328:2020.

Property	Values*	Unit	Test Method
Melt Flow Index (I ₂)	8.2	gm/10min	ASTM D1238
Density @ 23°C	0.963	gm/cc	ASTM D1505
Tensile Strength @ Yield	310	kg/cm ²	ASTM D638, Type IV
Elongation @ Yield	7	%	ASTM D638, Type IV
Flexural Modulus	14000	kg/cm ²	ASTM D790
Vicat Softening Point	128	°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: 200 - 280°C

Mould temperature: 30 - 40°C

Regulatory Information:

Certificate is available on request.

Packaging & Storage:

I62U080U 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:

GAIL Polymer Technology Centre, GAIL (India) Limited

PARC Building, Plot No. 24, Sector-16A, Noida, (U.P.) India – 201301

Ph.: 0120-2515353/354/355/363 Fax No.: 0120-2511134, 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.