



GAIL (India) Ltd.
India's Youngest Maharatna

R36U050U

(Provisional Technical Datasheet)

Linear Low Density Polyethylene for Rotomoulding

Product Description and Typical Applications:

R36U050U is duly stabilized with UV stabilizer for long service life under outdoor exposure for colored products. It provides excellent processability with optimum combination of impact toughness and ESCR. It is widely used for manufacturing water storage tanks for domestic and industrial purpose, bins, road dividers, playground equipment, toys, boats etc.

Property	Values*	Unit	Test Method
Melt Flow Index (I ₂)	5.0	gm/10min	ASTM D1238
Density	0.936	gm/cc	ASTM D1505
Tensile Strength @Yield	180	kg/cm ²	ASTM D638
Elongation @ Yield	14	%	ASTM D638
Flexural Modulus	5300	kg/cm ²	ASTM D790

* Typical characteristics of the product given purely as a guide..

Processing Guidelines:

Oven temperature: 240-280 °C

Regulatory Information:

Certificate is available on request.

Packaging & Storage:

R36U050U 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.

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