



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

R36A050U

Linear Low Density Polyethylene for Rotomoulding

Product Description and Typical Applications:

R36A050U has excellent processability with good mechanical properties. It is widely used in applications that require low degree of warpage and excellent dimensional control. It is not UV Stabilized and is recommended for use with adequate amount of carbon black or UV stabilizer for outdoor applications. Typical Applications of this grade are chemical tanks, water storage tanks, loft tanks, pallets etc. The material conforms to natural resin designation IS 7328-2B-RB-CXDC of IS 7328:2020.

Property	Values*	Unit	Test Method
Melt Flow Index (I ₂)	4.5	g/10min	ASTM D1238
Density @ 23°C	0.936	g/cc	ASTM D1505
Tensile Strength @ Yield	170	kg/cm ²	ASTM D638, Type IV
Elongation @ Yield	15	%	ASTM D638, Type IV
Flexural Modulus	6200	kg/cm ²	ASTM D790
ESCR (10% Igepol), F ₅₀	>192	hrs	ASTM D1693

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

Processing Guidelines:

Oven temperature: 240 - 280°C

Regulatory Information:

Certificate is available on request.

Packaging & Storage:

R36A050U 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.