



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

R35U042 (UV Stabilized)

Linear Low Density Polyethylene for Rotomoulding

Application: R35U042 is duly stabilized with HALS (Hindered Amine Light Stabilizer) for long service life under outdoor exposure for colored products. It is recommended for manufacturing water storage tanks for domestic and industrial purpose, bins, road dividers, playground equipment, toys, boats etc. It provides excellent processability with optimum combination of impact toughness and ESCR.

Property	Values*	Unit	Test Method
Melt Flow Index (I ₂)	4.2	g/10min	ASTM D1238
Density	0.935	g/cc	ASTM D1505
Tensile Strength @ yield	185	kg/cm ²	ASTM D 638
Elongation @ yield	16	%	ASTM D 638
Flexural modulus	6000	kg/cm ²	ASTM D790
Vicat softening point	115	°C	ASTM D1525
ESCR (10% Igepol), F ₅₀	24	hrs	ASTM D1693B

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

Processing Guidelines:

Oven temperature: 240-280°C

Regulatory Information:

Certificate is available on request.

Packaging & Storage:

R35A042 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, 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.