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

R36U050U

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)	4.5	g/10min	ASTM D1238
Density	0.936	g/cc	ASTM D1505
Tensile Strength @Yield	170	kg/cm^2	ASTM D638
Elongation @ Yield	15	%	ASTM D638
Flexural Modulus	6200	kg/cm^2	ASTM D790
ESCR (10% Igepol), F_{50}	>192	hrs	ASTM D1693B

* Typical characteristics of the product of Compression moulded test specimen.

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:
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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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