



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

E24A070U

Linear Low Density Polyethylene for XLPE cable compounds & Extrusion Coating

Product Description and Typical Applications:

E24A070U is a butene comonomer based Linear Low Density Polyethylene. This grade is designed as base resin for XLPE cable compounds to use in sheathing. It offers superior processability, ESCR and abrasion resistance. This grade is also recommended to use in blend with LDPE for various extrusion coating applications. It has excellent processability with optimum combination of mechanical and sealing characteristics. It can also be used in extrusion coating on aluminium foil, paper, jute, etc. The material conforms to natural resin designation IS 7328-2B-HB-BXDD of IS 7328:2020.

Property	Values*	Unit	Test Method
Melt Flow Index (I ₂)	6.8	g/10min	ASTM D1238
Density @ 23°C	0.923	g/cc	ASTM D1505
Tensile Strength @ Yield	110	kg/cm ²	ASTM D638, Type IV
Elongation @ Yield	16	%	ASTM D638, Type IV
Flexural Modulus	3000	kg/cm ²	ASTM D790
Hardness	51	Shore D	ASTM D 2240
Vicat Softening Point	109	°C	ASTM D1525

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

Processing Guidelines:

Barrel temperature: 200 - 270°C

Regulatory Information:

Certificate is available on request.

Packaging & Storage:

E24A070U 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.