



LL24FA030

LINEAR LOW DENSITY POLYETHYLENE FOR MEDIUM VOLTAGE XLPE CABLE COMPOUNDS

Relene LL24FA030 is a Butene comonomer based Linear Low Density Polyethylene (LLDPE). It is designed for medium voltage insulation compounds for silane cross-linking process. The grade is designed with optimum level of antioxidants.

TYPICAL CHARACTERISTICS*

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE**
Density (23°C)	ASTM D 792	g/cc	0.928
MFI (190°C / 2.16 Kg)	ASTM D 1238	g/10 min.	3.7
Tensile Strength at Yield	ASTM D 638	MPa	12
Ultimate Tensile Strength	ASTM D 638	MPa	15
Elongation at Break	ASTM D 638	%	> 600
Flexural Modulus	ASTM D 790	MPa	400
Hardness	ASTM D 2240	Shore D	52
Vicat Softening Point	ASTM D 1525	°C	108

* Typical characteristics and not to be taken as specifications

**Mechanical properties are on Injection Molded specimen.

APPLICATIONS:

Medium voltage XLPE cable compounds

Regulatory Information

- Meets the requirements stipulated in standard IS : 10146 on "Specification for Polyethylene for safe use in contact with foodstuffs, pharmaceuticals, and drinking water". It also conforms to the positive list of constituents as prescribed in IS : 10141. The grade and the additives incorporated in it also comply with the FDA: CFR Title 21,177.1520, Olefin polymers.

Storage Recommendations

- Bags should be stored in dry/closed conditions at temperatures below 50°C and protected from UV / direct sunlight.

Reliance Industries Limited, Product & Application & Research Centre (PARC)

RIL Baroda Complex, P. O. Petrochemicals, Vadodara 391346, Gujarat. Tel.: +91265-669-6000. E-mail: polymer_patsupport@ril.com Website: www.ril.com

The information and data presented herein is true and accurate to the best of our knowledge. No warranty or guarantee expressed or implied, is made regarding performance or other wise. This information and data may not be considered as a suggestion to use our products without taking into account existing patents, or legal provisions or regulations, whether national or international. • The user of any information and/or data is advised to obtain the latest details from any of the offices of the company or its authorised agents, as the information and/or data is subject to change based on the research and development work undertaken by the company.

Updated as of February 2018