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# LL24FA030

## LINEAR LOW DENSITY POLYETHYLENE FOR MEDIUM VOLTAGE XLPE CABLE COMPOUNDS

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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.

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