



# 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 compound for Silane Cross-linking process. The grade is designed with optimum level of antioxidants.

Typical Characteristics*			
Property	Test Method	Unit	Typical Value**
Melt Flow Index (190°C / 2.16 kg)	ASTM D1238	gm/10 min	4.2
Density (@ 23°C)	ASTM D1505	gm/cc	0.933
Tensile Strength at Yield	ASTM D 638	MPa	15
Tensile Strength at Break	ASTM D 638	MPa	18
Elongation @ Yield	ASTM D 638	%	17
Elongation @ Break	ASTM D 638	%	>600
Flexural Modulus	ASTM D 790	MPa	550
Hardness	ASTM D 2240	Shore D	55

\*Typical characteristics are not to be taken as specifications.

\*\*Typical Values (Mechanical) with 3.2mm thick Injection Moulded 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.