



# X24065

## LINEAR LOW DENSITY POLYETHYLENE Grade for Medium Voltage XLPE Cable Compounds

Relene X24065, is a Butene comonomer based Linear Low Density Polyethylene. This grade is designed for XLPE cable compounds. It offers superior Processability, ESCR and Abrasion resistance.

### TYPICAL CHARACTERISTICS\*

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE**
Melt Flow Index (190°C / 2.16 Kg )	ASTM D 1238	g/10 min.	6.4
Density ( @ 23°C )	ASTM D 1505	g/cc	0.924
Tensile Strength at Yield	ASTM D 638	MPa	11
Tensile Strength at Break	ASTM D 638	MPa	15
Elongation @ Yield	ASTM D 638	%	17
Elongation @ Break	ASTM D 638	%	> 600
Flexural Modulus	ASTM D 790	MPa	260
Hardness	ASTM D 2240	Shore D	53

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

\*\*Typical Values (Mechanical) with 3.2 mm thick Injection Molded Specimen

### APPLICATIONS :

Medium Voltage XLPE Cable Compounds

### Regulatory Information

Meets the requirement stipulated in standard IS: 10146-1982 on "Specification for Polyethylene for safe use in contact with foodstuffs, pharmaceuticals, and drinking water". It also conforms to positive list of constituents as prescribed in IS: 10141-1982. 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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