

## Linear Low Density Polyethylene LL4400 SFC

### Description:

LL4400SFC is a Linear Low Density Polyethylene that shows specific quality controls for monosil and other Wire and Cable applications. This product contains antioxidant additives and low gel content.

### Applications:

Recommended to monosil process, to insulation and jacketing for low and medium voltage XLPE wires and cables.

### Process:

The optimum processing conditions will vary according to the type of equipment used and cannot be considered as performance guarantee. The optimum processing conditions are 170 - 210 °C.

### Control Properties:

	ASTM Method	Units	Values
Melt Flow Rate (190/2.16)	D 1238	g/10 min	2.7
Density	D 1505	g/cm <sup>3</sup>	0.918

### Typical Properties:

Plaque Properties<sup>a</sup>

	ASTM Method	Units	Values
Tensile Strength at Break	D 638	MPa	22
Elongation at Break	D 638	%	800
Dielectric Constant, 1 KHz	D 150		2.2
Dissipation Factor, 1 KHz	D 150		0.0003
Dielectric Strength	D 149	kV/mm	41
Volume Resistivity	D 257	ohm.cm	> 1x10 <sup>15</sup>

(a) Test specimens prepared from compression molded sheet made according to ASTM D 4703.

