

## Technical Data Sheet

### Lucalen A2910M

Low Density Polyethylene

#### Product Description

Lucalen A2910M is a natural adhesive low density polyethelene copolymer with a high thermal stability. Due to the acrylic acid/acrylate copolymer (E/A) content this grade offers excellent adhesion to polar materials (i.e. epoxy resin, steel, aluminium, etc.). It is design to be used by our customer in 2-layer anti corrosion coating as well as in wire & cable compounds. The material is available in pellet form.

This grade is not intended for medical and pharmaceutical applications.

<b>Application</b>	Coatings, Protective; Pipe Coating
<b>Market</b>	Industrial, Building & Construction; Pipe
<b>Processing Method</b>	Extrusion Coating; Sheet
<b>Attribute</b>	Copolymer; Good Adhesion; Good Heat Aging Resistance; Good Thermal Aging Resistance; Good Thermal Stability; High Heat Resistance

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (190 °C/2.16 kg)	7	g/10 min	ISO 1133-1
Density	0.927	g/cm <sup>3</sup>	ISO 1183-1
Bulk Density	> 0.5	g/cm <sup>3</sup>	ISO 60
<b>Mechanical</b>			
Tensile Modulus, (23 °C)	84	MPa	ISO 527-1, -2
Tensile Stress at Yield	6	MPa	ISO 527-1, -2
<b>Hardness</b>			
Shore Hardness, (Shore D)	38		ISO 868
<b>Thermal</b>			
Vicat Softening Temperature, (A/50)	72	°C	ISO 306
Peak Melting Point	96	°C	ISO 11357-3
<b>Additional Information</b>			
Comonomer AA	4	%	DIN 51451
Comonomer BA	7	%	DIN 51451