

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.

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

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