

## Technical Data Sheet

### Lucalen A2920M



Low Density Polyethylene

#### Product Description

Lucalen A 2920 M is an additivated, low density polyethylene, containing tert.-butyl acrylate and acrylic acid as comonomers. It is used in adhesive layers of sandwich structures. It is delivered in pellet form.

This product is not intended for use in medical and pharmaceutical applications.

<b>Application</b>	Lamination Film; Panels & Profiles
<b>Market</b>	Compounding; Industrial, Building & Construction
<b>Processing Method</b>	Blown Film; Extrusion Coating
<b>Attribute</b>	Antioxidant; Copolymer; Good Adhesion; Low Temperature Flexibility

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (190 °C/2.16 kg)	7.0	g/10 min	ISO 1133-1
Density	0.927	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
Tensile Modulus	90	MPa	ISO 527-1, -2
Tensile Stress at Yield	6	MPa	ISO 527-1, -2
<b>Film</b>			
Dart Drop Impact Strength, F50	650	g	ASTM D1709
Coefficient of Friction	>0.8		ISO 8295
<b>Hardness</b>			
Shore Hardness, (Shore D)	38		ISO 868
<b>Thermal</b>			
Vicat Softening Temperature, (A/50)	74	°C	ISO 306
Peak Melting Point	96	°C	ISO 11357-3
<b>Optical</b>			
Haze, (50 µm)	<6	%	ASTM D1003
Gloss			
(20°)	>30		ASTM D2457
(60°)	>80		ASTM D2457
<b>Additional Information</b>			
Comonomer AA	4	%	DIN 51451

Comonomer tert-BA	7 %	DIN 51451
Test Specimen	Film	
Film properties tested using 50 µm thickness blown film.		
<b>Processing Parameters</b>		
Extrusion Temperature	140-160 °C	