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.

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

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	7.0	g/10 min	ISO 1133-1
Density	0.927	g/cm³	ISO 1183-1
Mechanical			
Tensile Modulus	90	MPa	ISO 527-1, -2
Tensile Stress at Yield	6	MPa	ISO 527-1, -2
Film			
Dart Drop Impact Strength, F50	650	g	ASTM D1709
Coefficient of Friction	>0.8		ISO 8295
Hardness			
Shore Hardness, (Shore D)	38		ISO 868
Thermal			
Vicat Softening Temperature, (A/50 N)	74	°C	ISO 306
Peak Melting Point	96	°C	ISO 3146
Optical			
Haze, (50 µm)	<6	%	ASTM D1003
Gloss			
(20°)	>30		ASTM D2457
(60°)	>80		ASTM D2457
Additional Information			
Comonomer AA	4	%	DIN 51451

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

Notes

These are typical property values not to be construed as specification limits.