



Lucalen A2920M Q225

Polyethylene, Low Density

Product Description

Lucalen A 2920 M Q225 is an additivated, low density polyethylene, containing comonomer. It is delivered in pellet form. Additional Customer Applications: Adhesive layer

Foodlaw compliance information about this product can be found in separate product documentation.

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

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, North America, Asia-Pacific, Australia/NZ, Africa-Middle East, Latin America
Processing Methods	Blown Film
Features	Good Adhesion, Antioxidant, Low Temperature Flexibility
Typical Customer Applications	Extrusion Coating, Film, Lamination Film, Panels & Profiles

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.927	g/cm ³
Melt flow rate (MFR) (190°C/2.16kg)	ISO 1133	7.0	g/10 min
Mechanical			
Dart drop impact (50 µm, Blown Film)	ASTM D 1709	650	g
Tensile stress at yield	ISO 527	6	MPa
Tensile modulus	ISO 527	90	MPa
Hardness			
Shore hardness D	ISO 868/ASTM D 2240	38	
Thermal			
Melting temperature		96	°C
Vicat softening temperature A/50	ISO 306	74	°C
Optical			
Haze (50µm)	ASTM D 1003	< 6	
Gloss (20°, 50 µm)	ASTM D 2457	>80	
Film			
Recommended extrusion temperature		140 - 180	°C

Additional Properties

Comonomer AA, DIN 51451: 4%
Comonomer tBA, DIN 51451: 7%
Permeation H₂O, ISO 2556, 38°C, 90% RH, 100µm: 2.3 g/m²/d
Permeation O₂, ISO 2556, 23°C, 100µm: 2400 cm³/m²/d/bar
Coefficient of Friction, ISO 8295: >80%
Recommended Thickness: 40 to 100 µm
Good gel count level

Notes

Typical properties; not to be construed as specifications.