



Lucalen A 2920 M

Polyethylene, Low Density

Product Description

Lucalen A 2920 M 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 (50µm, Blown Film) | ASTM D 1709 | 650 | g |
| Tensile Modulus | ISO 527-1, -2 | 90.0 | MPa |
| Tensile Stress at Yield | ISO 527-1, -2 | 6.00 | MPa |
| Hardness | | | |
| Shore hardness (Shore D) | ISO 868 | 38 | |
| Thermal | | | |
| Vicat softening temperature (A50 (50°C/h 10N)) | ISO 306 | 74.0 | °C |
| Melting Temperature | ISO 3146 | 96.0 | °C |
| Optical | | | |
| Haze (50µm) | ASTM D 1003 | <6 | |
| Gloss | ASTM D 2457 | | |
| (20°, 50µm) | | >30 | |
| (60°, 50µm) | | >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

Notes

Typical properties; not to be construed as specifications.