# Lucalen A2920M Q225

Low Density Polyethylene

LyondellBasell Industries

## Message:

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.

| General Information | |
|---|---|
| Additive | Antioxidant |
| Features | Antioxidant<br>Good Adhesion<br>Low Temperature Flexibility |
| Uses | Blown Film<br>Coating Applications<br>Film<br>Laminates<br>Profiles |
| Forms | Pellets |
| Processing Method | Blown Film<br>Extrusion Coating |

| Physical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Density | 0.927 | g/cm³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 7.0 | g/10 min | ISO 1133 |
| **Hardness** | **Nominal Value** | **Unit** | **Test Method** |
| Durometer Hardness (Shore D) | 38 | | ASTM D2240, ISO 868 |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Modulus | 90.0 | MPa | ISO 527-2 |
| Tensile Stress (Yield) | 6.00 | MPa | ISO 527-2 |
| Coefficient of Friction | > 0.80 | | ISO 8295 |
| **Films** | **Nominal Value** | **Unit** | **Test Method** |
| Film Thickness - Recommended / Available | 40 to 100 µm | | |
| Dart Drop Impact (50 µm, Blown Film) | 650 | g | ASTM D1709 |
| Water Vapor Transmission Rate (38°C, 90% RH, 100 µm) | 2.3 | g/m²/24 hr | ISO 2556 |
| Oxygen Permeability (23°C, 100.0 µm) | 2400 | cm³/m²/bar/24 hr | ISO 2556 |
| Comonomer AA | 4.0 | % | DIN 51451 |

| | | | |
|---|---|---|---|
| Comonomer BA | 7.0 | % | DIN 51451 |
| **Thermal** | **Nominal Value** | **Unit** | **Test Method** |
| Vicat Softening Temperature | 74.0 | °C | ISO 306/A50 |
| Melting Temperature | 96.0 | °C | |
| **Optical** | **Nominal Value** | **Unit** | **Test Method** |
| Gloss (20°, 50.0 µm) | > 80 | | ASTM D2457 |
| Haze (50.0 µm) | < 6.0 | % | ASTM D1003 |
| **Extrusion** | **Nominal Value** | **Unit** | |
| Melt Temperature | 140 to 180 | °C | |



## Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China