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Polyethylene LDPE 1022 FN 24

Technical data sheet
Low Density Polyethylene BLOWN FILM
Produced in Europe

Description

LDPE 1022 FN 24 is a low density polyethylene produced by a high pressure process.

LDPE 1022 FN 24 is suited to many applications in the field of consumer, industrial, food or hygiene packaging such as bags, lamination and coextrusion film.

Characteristics

| Property | Method | Unit | Typical value |
|--------------------------------|-----------|-------------------|---------------|
| Density | ISO 1183 | g/cm ³ | 0.923 |
| Melt Flow Rate (190°C/2.16 kg) | ISO 1133 | g/10 min | 2.3 |
| Melting temperature | ISO 11357 | °C | 109 |
| Vicat temperature | ISO 306 | °C | 96 |

Values indicated are typical for this product. Density and MFR are properties routinely measured during "the standard quality control procedure". The other figures are generated by tests not included in the "standard quality control procedure", and are given for information only.
Data are not intended for specification purposes.



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Blown film properties

These values have been measured on a 40 µm blown film.

| Property | Method | Unit | Typical value (*) |
|--------------------------------------|------------|------|-------------------|
| Tensile Strength at Yield MD/TD (**) | ISO 527-3 | MPa | 12/11.5 |
| Tensile Strength at Break MD/TD (**) | ISO 527-3 | MPa | 22/20 |
| Elongation at Break MD/TD (**) | ISO 527-3 | % | 360/630 |
| Elmendorf MD/TD (**) | ISO 6383-2 | N/mm | 75/62 |
| Dart test | ISO 7765-1 | g | 95 |
| Haze | ISO 14782 | % | 7 |

(*) Figures stated here above are obtained using laboratory test specimens produced with the following extrusion conditions: 45 mm screw diameter, L/D = 30, die diameter = 120 mm, die gap = 1.4 mm, BUR = 2.5:1, temperature = 185°C.

(**) MD : Machine Direction TD : Transverse Direction