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PREMIUM EXTRUSION AND RIGID PACKAGING RESINS

Marlex® KN226

LOW DENSITY POLYETHYLENE

This autoclave LDPE homopolymer is tailored for applications that require:

- Good flexibility
- Excellent flow
- Good warpage resistance

This resin meets these specifications:

- ASTM D4976 - PE 112
- FDA 21 CFR 177.1520(c) 2.2, use conditions C through G per 21 CFR 176.170(c)

Typical injection molded applications for KN226 include items such as:

- Housewares
- Personal care products
- Luggage handles

| NOMINAL PHYSICAL PROPERTIES ⁽¹⁾ | English | SI | Method |
|---|------------|-------------------------|------------|
| Density | --- | 0.925 g/cm ³ | ASTM D1505 |
| Melt Index, 190/2.16 | --- | 25.0 g/10 min | ASTM D1238 |
| Tensile Strength at Yield, 2 in/min, Type IV bar | 1,700 psi | 12 MPa | ASTM D638 |
| Elongation at Break, 2 in/min, Type IV bar | 150% | 150% | ASTM D638 |
| Flexural Modulus, Tangent - 16:1 span:depth, 0.5 in/min | 48,000 psi | 330 MPa | ASTM D790 |
| Durometer Hardness, Type D (Shore D) | 51 | 51 | ASTM D2240 |
| Vicat Softening Temperature, Loading 1, Rate A | 197°F | 92°C | ASTM D1525 |
| Brittleness Temperature, Type A, Type I specimen | -26°F | -32°C | ASTM D746 |

1. The nominal properties reported herein are typical of the product, but do not reflect normal testing variance and therefore should not be used for specification purposes. Values are rounded. The physical properties were determined on compression molded specimens that were prepared in accordance with Procedure C of ASTM D4703, Annex A1.

MSDS #240370

Revision Date April, 2004

Another quality product from



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