

Petrothene® NA219000

Low Density Polyethylene

LyondellBasell Industries

Message:

Petrothene NA219000 is a high speed, lightweight-coating resin for use with paper, films and other base stocks. This resin can be extrusion coated at line speeds of 1,200 ft/min. or higher. Products made from materials coated with NA219000 include flexible packaging, milk cartons, industrial papers and foil mounting, single-ply bags, pouch bags, board trays, fiber drums, corrugated boxes and fiberboard containers.

| General Information | | | |
|---|-------------------------|-------------------|-------------|
| Features | Food Contact Acceptable | | |
| Uses | Coating Applications | | |
| | Foil Coatings | | |
| | Packaging | | |
| | Paper Coatings | | |
| Agency Ratings | FDA 21 CFR 177.1520 | | |
| Forms | Pellets | | |
| Processing Method | Extrusion Coating | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.923 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 10 | g/10 min | ASTM D1238 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D) | 51 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ (Yield) | 11.7 | MPa | ASTM D638 |
| Tensile Elongation ² (Break) | 230 | % | ASTM D638 |
| Flexural Modulus | 215 | MPa | ASTM D790 |
| Thermal | Nominal Value | Unit | Test Method |
| Vicat Softening Temperature | 95.0 | °C | ASTM D1525 |
| Extrusion | Nominal Value | Unit | |
| Melt Temperature | < 329 | °C | |
| NOTE | | | |
| 1. | Type IV | | |
| 2. | Type IV | | |

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