

LyondellBasell Petrothene® NA204000 Low Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Extrusion Grade

Material Notes:

ApplicationsPETROTHENE NA 204-000 is a general-purpose resin recommended for intermediate and light-weight coating applications at high speeds. NA 204-000 can be drawn down to weights of 2.0 lb/ream at line speeds of 1200 ft/min. on a variety of substrates including paper, foil, cellophane, polyester film and other base stocks. NA 204-000 yields excellent adhesion and heat sealing characteristics and low neck-in. It is recommended for general-purpose flexible packaging, foil mounting, laminating and aseptic packaging. **Regulatory Status**NA 204-000 meets requirements of the Food and Drug Administration regulations 21 CFR 177.1520 and 21 CFR 176.170. These regulations (respectively) allow for the use of the olefin polymer in "articles or components of articles intended for use in contact with food; "or as components of the uncoated or coated food-contact surface of paper and paperboard intended for use in producing, manufacturing, packaging, processing, preparing, treating, packing, transporting or holding aqueous and fatty food." Specific limitations or conditions of use may apply. Contact your Equistar sales representative for more information. **Processing Techniques**The maximum recommended melt temperature for NA 204-000 is 625°F. More specific recommendations can be made only when the processing equipment, conditions and end use are known. For further suggestions, contact your Equistar sales representative. **Physical Properties**These are typical values and not to be construed as specific product limits. This product is from the former Equistar product line.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Petrothene-NA204000-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in ³	ASTM D1505
Water Vapor Transmission	0.260 g/m ² /day	0.0167 g/100 in ² /day	ASTM E96
Melt Flow	7.1 g/10 min	7.1 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	50	50	ASTM D2240
Tensile Strength at Break	11.7 MPa	1700 psi	ASTM D638
Elongation at Break	550 %	550 %	Type IV specimen; ASTM D638
Flexural Stiffness	207 MPa	30000 psi	ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	84.0 °C	183 °F	ASTM D1525

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