



*Petrothene*

# NA204000

Low Density Polyethylene  
Extrusion Coating Grade

Melt Index 7.0 Density 0.918

## Applications

*Petrothene* NA204000 is a general-purpose resin recommended for intermediate and heavyweight coating applications at high speeds. NA204000 can be run at line speeds over 1200 ft/min. on a variety of substrates including paper, foil, cellophane, polyester film and other base stocks. NA204000 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

NA204000 meets the 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 this 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 NA204000 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.

## Typical Properties

Property	Nominal Value	Units	ASTM Test Method
Melt Index	7.0	g/10 min	D 1238
Density	0.918	g/cc	D 1505
Tensile Strength	1,700	psi	D 638
Elongation	550	%	D 638*
Flexural Stiffness	30,000	psi	D 790
Vicat Softening Point	84	°C	D 1525
Hardness, Shore D	50		D 2240

These are typical values and not to be construed as specific product limits.

\*Type IV specimen.

Equistar Chemicals, LP, is a member of the LyondellBasell group companies.

*Petrothene* is a trademark owned or used by LyondellBasell group companies. Trademark *Petrothene* is registered in the U.S. Patent and Trademark Office.

The information on this document is, to our knowledge, true and accurate. However, since the particular uses and the actual conditions of use of our products are beyond our control, establishing satisfactory performance of our products for the intended application is the customer's sole responsibility. All uses of Equistar products and any written or oral information, suggestions or technical advice from Equistar are without warranty, express or implied, and are not an inducement to use any process or product in conflict with any patent.

Equistar materials are not designed or manufactured for use in implantation in the human body or in contact with internal body fluids or tissues. Equistar makes no representation, promise, express warranty or implied warranty concerning the suitability of these materials for use in implantation in the human body or in contact with internal body tissues or fluids.

More detailed safety and disposal information on our products is contained in the Material Safety Data Sheet (MSDS). All users of our products are urged to retain and use the MSDS. A MSDS is automatically distributed upon purchase/order execution. You may request an advance or replacement copy by calling our MSDS Hotline at 800.700.0946.

Equistar Chemicals, LP  
1221 McKinney, Suite 700  
P. O. Box 2583  
Houston, Texas 77252-2583  
(800) 615-8999  
[www.lyondellbasell.com](http://www.lyondellbasell.com)