


Petrothene®

NA205000X01

Low Density Polyethylene
Extrusion Coating Grade
Melt Index 16.0 Density 0.918
Applications

PETROTHENE NA205000X01 is an extrusion coating resin especially recommended for high-speed, light weight coating applications. The resin can be drawn to a 3 lb/ream coating weight at line speeds in excess of 1,500 fpm with minimum neck-in and no edge weave. It is recommended for locker wraps, sugar pouches, industrial and multi-wall bags and laminations.

Processing Techniques

It is recommended that a melt temperature of 590°F - 620°F be used for light-weight coating applications in conjunction with electrostatic, flame or chemical priming to insure good adhesion. The maximum recommended melt temperature for NA205000X01 is 625°F. For further suggestions, please contact your Equistar sales representative.

Typical Properties

Property	Nominal Value	Units	ASTM Test Method
Melt Index	16.0	g/10 min	D 1238
Density	0.918	g/cc	D 1505
Tensile Strength	1,500	psi	D 638
Elongation	640	%	D 638*
Flexural Stiffness	30,700	psi	D 790
Vicat Softening Point	85	°C	D 1525
Hardness, Shore D	56		D 2240

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

*Type IV Specimen

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.

® Petrothene is a registered trademark of Equistar Chemicals, LP.



Lyondell Chemical Company
 1221 McKinney, Suite 700
 P.O. Box 2583
 Houston, Texas 77252-2583
 800.615.8999
<http://www.Lyondell.com>