

## LyondellBasell Petrothene® NA206000 Low Density Polyethylene

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

### Material Notes:

**Applications**PETROTHENE NA 206-000 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 1500 fpm with minimum neck-in and no edge weave. It is recommended for locker wraps, sugar pouches, industrial and multi-wall bags and laminations. **Regulatory Status**NA 206-000 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**It is recommended that a melt temperature of 590°-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 NA 206-000 is 625°F. For further suggestions, please 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-NA206000-Low-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_LyondellBasell-Petrothene-NA206000-Low-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	13.5 g/10 min	13.5 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	50	50	ASTM D2240
Tensile Strength at Break	11.0 MPa	1600 psi	ASTM D638
Elongation at Break	500 %	500 %	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

## Contact Songhan Plastic Technology Co.,Ltd.

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