

## LyondellBasell Petrothene® NA214000 Low Density Polyethylene

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

### Material Notes:

**Applications**PETROTHENE NA 214-000 is a low density polyethylene resin specifically designed for high speed, light weight, extrusion coating applications. This resin can be drawn down to a coating weight of three pounds per ream at line speeds exceeding 1,500 fpm with minimum neck-in and no edge weave. NA 214-000 can be used for applications including sugar pouches, industrial and multi-wall bags, treated and primed films and laminations. Regulatory StatusNA 214-000 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 TechniquesA melt temperature of 590°-620°F is recommended for use in processing NA 214-000 in light-weight coating applications. Electrostatic, flame or chemical priming should be used to ensure good adhesion. The maximum melt temperature that is recommended for NA 214-000 is 625°F. For further suggestions, please contact your Equistar sales representative. Physical PropertiesThese 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-NA214000-Low-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_LyondellBasell-Petrothene-NA214000-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	10 g/10 min	10 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	54	54	ASTM D2240
Tensile Strength at Break	10.9 MPa	1580 psi	Type IV specimen; ASTM D638
Elongation at Break	580 %	580 %	Type IV specimen; ASTM D638
Flexural Stiffness	145 MPa	21000 psi	ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	86.0 °C	187 °F	ASTM D1525

## Contact Songhan Plastic Technology Co.,Ltd.

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