



Petrothene

NA214000

Low Density Polyethylene
Extrusion Coating Grade

Melt Index 10 Density 0.918

Applications

Petrothene NA214000 is a low density polyethylene resin specifically designed for high speed extrusion coating applications. This resin can be drawn down to medium coating weights at line speeds exceeding 1,500 fpm with minimum neck-in. NA214000 can be used for applications including sugar pouches, industrial and multi-wall bags, treated and primed films and laminations.

Regulatory Status

NA214-000 meets the requirements of the Food and Drug Administration, regulations 21 CFR 177.1520 and 21 CFR 176.170. These regulations (respectively) allow 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 foods..." Specific limitations or conditions of use may apply. Contact your Equistar sales representative for more information.

Processing Techniques

A 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 NA214000 is 625°F. For further suggestions, please contact your Equistar sales representative.

Typical Properties

Property	Nominal Value*	Units	ASTM Test Method
Melt Index	10	g/10 min	D 1238
Density	0.918	g/cc	D 1505
Tensile Strength	1,580	psi	D 638**
Elongation	580	%	D 638**
Flexural Stiffness	21,000	psi	D 790
Vicat Softening Point	86	°C	D 1525
Hardness, Shore D	54		D 2240

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

** Type IV specimen

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