

Petrothene

# NA214000

Low Density Polyethylene  
Extrusion Coating Grade

Melt Index: 10      Density: 0.918



## Applications

*Petrothene* NA214000 is a low density polyethylene resin selected by customers 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 is typically used for applications including sugar pouches, industrial and multi-wall bags, treated and primed films and laminations.

## Regulatory Status

NA214000 meets the requirements of the Food and Drug Administration, regulation 21 CFR 177.1520. This regulation allows the use of this olefin polymer in "...articles or components of articles intended for use in contact with food..." Specific limitations or conditions of use may apply. Contact your Equistar product safety representative for more information.

## Processing Techniques

The maximum melt temperature that is recommended for NA214000 is 625°F. More specific recommendations can be made only when the processing equipment, conditions and end use are known.

## Typical Properties

Property	Nominal Value	Units	ASTM Test Method
Melt Index	10	g/10 min	D1238
Density	0.918	g/cc	D1505
Tensile Strength	1,580	psi	D638*
Elongation	580	%	D638*
1% Secant Modulus	21,000	psi	D790
Vicat Softening Point	86	°C	D1525
Hardness, Shore D	54		D2240

\* Type IV specimen

These are typical values not to be construed as specification limits.