

Petrothene

# NA205000

Low Density Polyethylene  
Extrusion Coating Grade

Melt Index: 16    Density: 0.918



## Applications

*Petrothene* NA205000 is an extrusion coating resin typically used for high-speed, light weight coating applications. The resin can be drawn to a low coating weight at line speeds in excess of 1,500 fpm with minimum neck-in and edge weave. It is selected by customers for flexible pouches, locker wraps, sugar pouches, industrial and multi-wall bags and laminations.

## Regulatory Status

NA205000 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 recommended melt temperature for NA205000 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	16	g/10 min	D1238
Density	0.918	g/cc	D1505
Tensile Strength	1,500	psi	D638*
Elongation	640	%	D638*
1% Secant Modulus	30,700	psi	D790
Vicat Softening Point	85	°C	D1525
Hardness, Shore D	56		D2240

\* Type IV specimen

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