

Petrothene NA204000

Low Density Polyethylene

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Extrusion Coating Grade

Melt Index 7.0 Density 0.918

Applications

PETROTHENE NA204000 is a general-purpose resin recommended for intermediate and light-weight coating applications at high speeds. NA204000 can be drawn down to weights of 5.0 lb/ream at line speeds of 1200 ft/min. on a variety of substrates including paper, foil, cellophane, polyester film and other base stocks. NA204000 yields excellent adhesion and heat sealing characteristics and low neck-in. It is recommended for general-purpose flexible packaging, foil mounting, laminating and aseptic packaging.

Regulatory Status

NA204000 meets the 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 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 food." Specific limitations or conditions of use may apply. Contact your Equistar sales representative for more information.

Processing Techniques

The maximum recommended melt temperature for NA204000 is 625°F. More specific recommendations can be made only when the processing equipment, conditions and end use are known. For further suggestions, contact your Equistar sales representative.

Typical Properties

Property	Nominal Value	Units	ASTM Test Method
Melt Index	7.0	g/10 min	D 1238
Density	0.918	g/cc	D 1505
Tensile Strength	1,700	psi	D 638
Elongation	550	%	D 638*
Flexural Stiffness	30,000	psi	D 790
Vicat Softening Point	84	°C	D 1525
Hardness, Shore D	50		D 2240

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

*Type IV specimen.

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