

Petrothene

NA217000

Low Density Polyethylene
Extrusion Coating Grade

Melt Index: 5.6 Density: 0.923



Applications

Petrothene NA217000 is a high speed, lightweight coating resin selected by customers for use with paper, films and other base stocks. This resin can be extruded at line speeds of 1500 ft/min or higher. Products made from materials coated with NA217000 typically include flexible packaging, milk cartons, industrial papers and foil mounting, single-ply bags, pouch bags, cup stock, fiber drums, corrugated boxes and fiberboard containers.

Regulatory Status

NA217000 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 is 625°F. Specific recommendation for processing can only be made when the processing equipment, conditions and end use are known.

Typical Properties

Property	Nominal Value	Units	ASTM Test Method
Melt Index	5.6	g/10 min	D1238
Density	0.923	g/cc	D1505
Tensile Strength	1,800	psi	D638*
Elongation	550	%	D638*
1% Secant Modulus	40,000	psi	D790
Vicat Softening Point	92	°C	D1525
Hardness, Shore D	53		D2240

* Type IV specimen

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