

Petrothene

NA362

Low Density Polyethylene

Film Extrusion Grade

Melt Index: 0.5 Vinyl Acetate Content: 6.6%



Applications

Petrothene NA362 is a series of LDPE/EVA copolymer resins selected by customers for use in bag-in-box, heavy-duty skin packaging and other high strength, easy to seal packaging. NA362 exhibits high impact strength and good low temperature toughness.

Regulatory Status

NA362 resins meet the requirements of the Food and Drug Administration regulation 21 CFR 177.1350. This regulation allows the use of this ethylene vinyl acetate copolymer "...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

Specific recommendations for processing NA362 resins can only be made with the processing conditions, equipment and end use are known.

Typical Properties

Property	Nominal Value	Units	ASTM Test Method
Melt Index	0.5	g/10 min	D1238
Vinyl Acetate Content	6.6	%	
Base Resin Density	0.926	g/cc	D1505
Vicat Softening Point	87	°C	D1525
Film*			
Tensile Strength @ Break, MD (TD)	3,800 (3,600)	psi	D882
Elongation @ Break, MD (TD)	500 (600)	%	D882
Dart Drop Impact Strength, F ₅₀	310	g	D1709
1% Secant Modulus, MD (TD)	17,000 (21,000)	psi	E111
Elmendorf Tear Strength, MD (TD)	140 (260)	g	D1922

Products	NA362005	NA362176
Slip (ppm)	None	1,400
Antiblock (ppm)	None	12,000

*Data obtained from film produced on a 3½" (89 mm) blown film line, commercially available 8" (203 mm) die, 430°F (221°C) melt extrusion temperature, 2:1 BUR, 2.0 mil (51 micron) gauge, 0.025" die gap at 130 lb/hr.

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