

Petrothene

NA350136

Low Density Polyethylene

Film Extrusion Grade

Melt Index: 1.2 Vinyl Acetate Content: 6.6%



Applications

Petrothene NA350136 is a LDPE/EVA copolymer selected by customers for heavy-duty film packaging and other high strength, easy to seal packaging. NA350136 exhibits high impact strength and good low temperature toughness.

Regulatory Status

NA350136 meets 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 NA350136 can be made only when the end use application, required properties and the processing equipment are known.

Typical Properties

Property	Nominal Value	Units	ASTM Test Method
Melt Index	1.2	g/10 min	D1238
Vinyl Acetate Content	6.6	%	
Density	0.926	g/cc	D1505
Vicat Softening Point	87	°C	D1525
Film*			
Tensile Strength @ Break, MD (TD)	3250 (2750)	psi	D882
Elongation @ Break, MD (TD)	190(470)	%	D882
Dart Drop Impact Strength, F ₅₀	285	g	D1709
1% Secant Modulus, MD (TD)	20,000(23,000)	psi	E111
Elmendorf Tear Strength, MD (TD)	107(83)	g	D1922
Haze	10	%	D1003
Gloss	55	45°	D2457
Product			
NA350136			
Slip (ppm)	800		
Antiblock (ppm)	4,000		

* Data obtained from film produced in a 3½" (89 mm) blown film line, commercially available 8" (203 mm) die, 430°F (221°C) melt extrusion temperature, 2:1 BUR, 1.25 mil gauge, 0.025" die gap at 170 lb/hr.

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