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.

See Page 2 for Additional Information

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LyondellBasell markets this product through the following entities:

Equistar Chemicals, LP
Basell Sales & Marketing Company B.V.
Basell Asia Pacific Limited
Basell International Trading FZE
LyondellBasell Australia Pty Ltd

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This product(s) may not be used in:
(i) any U.S. FDA Class I, Health Canada Class I, and/or European Union Class I Medical Devices, without prior notification to Seller for each specific product and application; or

(ii) the manufacture of any of the following, without prior written approval by Seller for each specific product and application: (1) U.S. FDA Class II, Health Canada Class II or Class III, and/or European Union Class II Medical Devices; (2) film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned Medical Devices; (3) packaging in direct contact with a pharmaceutical active ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration; (4) tobacco related products and applications; (5) electronic cigarettes and similar devices; and (6) pressure pipe or fittings that are considered a part or component of a nuclear reactor.

(iii) Additionally, the product(s) may not be used in: (1) U.S. FDA Class III, Health Canada Class IV, and/or European Class III Medical Devices; (2) applications involving permanent implantation into the body; (3) life-sustaining medical applications; and (4) lead, asbestos or MTBE related applications.

All references to U.S. FDA, Health Canada, and European Union regulations include another country's equivalent regulatory classification.

Users should review the applicable Material Safety Data Sheet before handling the product.

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