

Technical Data Sheet

Petrothene NA350136

Ethylene Vinyl Acetate



Product Description

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

For regulatory compliance information, see *Petrothene* NA350136 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
Application	Clarity Film
Market	Flexible Packaging
Processing Method	Blown Film

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (190 °C/2.16 kg)	1.2	g/10 min	1.2	g/10 min	ASTM D1238
Base Resin Density, (23 °C)	0.926	g/cm ³	0.926	g/cm ³	ASTM D1505
Vinyl Acetate Content	6.6	%	6.6	%	LYB Method
Film					
Dart Drop Impact Strength, F50	285	g	285	g	ASTM D1709
Tensile Strength at Break					
MD	3250	psi	22.4	MPa	ASTM D882
TD	2750	psi	19.0	MPa	ASTM D882
Tensile Elongation at Break					
MD	190	%	190	%	ASTM D882
TD	470	%	470	%	ASTM D882
1% Secant Modulus					
MD	20000	psi	138	MPa	ASTM D882
TD	23000	psi	156	MPa	ASTM D882
Elmendorf Tear Strength					
MD	107	g	107	g	ASTM D1922
TD	83	g	83	g	ASTM D1922
Thermal					
Vicat Softening Temperature	189	°F	87	°C	ASTM D1525
Optical					
Haze	10	%	10	%	ASTM D1003
Gloss, (45°)	55		55		ASTM D2457
Additive					
Slip	800	ppm	800	ppm	LYB Method

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Antiblock	4000 ppm	4000 ppm	LYB Method
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Notes

Data obtained from 2.0 mil (51 micron) film produced on a blown film line with a 8" (203 mm) die, 430°F (221°C) melt temperature, 2:1 BUR, 0.025" die gap at 170 lbs/hr.

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

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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

This product(s) may not be used in the manufacture of any of the following, without prior written approval by Seller for each specific product and application:

- (i) U.S. FDA Class I or II Medical Devices; Health Canada Class I, II or III Medical Devices; European Union Class I or II Medical Devices;
- (ii) film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned medical devices;
- (iii) 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;
- (iv) tobacco related products and applications, electronic cigarettes and similar devices.
- (v) safety components in automotive applications, for example: air bags, air bag unit housings and covers, seat belt mechanisms, brake systems, pedals and pedal supports, steering systems.

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- (ii) applications involving permanent implantation into the body;
- (iii) life-sustaining medical applications.

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