

Technical Data Sheet

Petrothene GA616050

Linear Low Density Polyethylene



Product Description

Petrothene GA616050 is a linear low density polyethylene resin selected by customers for dry blending with low density polyethylene coating resins to produce linear low extrusion coatings. GA615050 is formulated without TNPP.

Regulatory Status

For regulatory compliance information, see *Petrothene* GA616050 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
Application	Bags & Pouches; Colour Concentrates; Food Packaging Film; Lamination Film; Sealants; Wire & Cable
Market	Compounding; Flexible Packaging; Wire & Cable
Processing Method	Compounding; Extrusion Coating; Wire & Cable

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (190 °C/2.16 kg)	6.2	g/10 min	6.2	g/10 min	ASTM D1238
Density, (23 °C)	0.918	g/cm ³	0.918	g/cm ³	ASTM D1505
Mechanical					
Flexural Modulus	50000	psi	345	MPa	ASTM D790
Tensile Strength	1700	psi	11.7	MPa	ASTM D638
Tensile Elongation at Break	870	%	870	%	ASTM D638
Hardness					
Shore Hardness, (Shore D)	56		56		ASTM D2240
Thermal					
Vicat Softening Temperature	198	°F	92	°C	ASTM D1525

Notes

Mechanical tensile properties were run on a Type IV specimen.

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.

General Extrusion Conditions

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Recipient Tracking #:
Request #: 907611

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.

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- (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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- (i) U.S. FDA Class III Medical Devices; Health Canada Class IV Medical Devices; European Class III Medical Devices;
- (ii) applications involving permanent implantation into the body;
- (iii) life-sustaining medical applications.

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