

Petrothene

NA940000

Low Density Polyethylene

Blow Molding Grade

Melt Index: 0.25 Density: 0.918



Applications

Petrothene NA940000 is a low density homopolymer resin selected by customers for use in blow molding applications. Excellent toughness, good clarity and processability are key attributes of NA940000. Typical customer applications include flexible containers, squeeze bottles and toys.

Regulatory Status

NA940000 meets the requirements of the Food and Drug Administration regulation 21 CFR 177.1520. This regulation allows the use of this olefin polymer 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 further information.

Processing Techniques

Specific recommendations for processing NA940000 can only be made when the processing conditions, equipment and end use are known.

Typical Properties

Property	Nominal Value	Units	ASTM Test Method
Melt Index	0.25	g/10 min	D1238
Density	0.918	g/cc	D1505
Tensile Strength @ Break	2,100	psi	D638
Elongation @ Break	>600	%	D638
Flexural Modulus	34,000	psi	D790
Low Temperature Brittleness, F ₅₀	<-76	°C	D746
Heat Deflection @ 66 psi	42	°C	D648
Vicat Softening Point	90	°C	D1525
Hardness, Shore D	50		D2240

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

LyondellBasell markets this product through the following entities:

Equistar Chemicals, LP
 Basell Sales & Marketing Company B.V.
 Basell Asia Pacific Limited
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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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