

LyondellBasell Petrothene® NA940000 Low Density Polyethylene (Blow Molding)

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Blow Molding Grade

Material Notes:

ApplicationsPETROTHENE NA 940-000 is a low density homopolymer resin intended for use in blow molding applications. Excellent toughness, good clarity and processability make NA 940-000 an ideal choice for flexible containers, squeeze bottles and toys. **Regulatory Status**NA 940-000 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 sales representative for more information. **Processing Techniques**Specific recommendations for processing NA 940-000 can only be made when the processing conditions, equipment and end use are known. For further suggestions, contact your Equistar sales representative.**Physical Properties**These are typical values and not to be construed as specific product limits.This product is from the former Equistar product line.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Petrothene-NA940000-Low-Density-Polyethylene-Blow-Molding.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in ³	ASTM D1505
Melt Flow	0.25 g/10 min	0.25 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	50	50	ASTM D2240
Tensile Strength at Break	14.5 MPa	2100 psi	ASTM D638
Elongation at Break	>= 600 %	>= 600 %	ASTM D638
Flexural Modulus	0.234 GPa	34.0 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	42.0 Â°C	108 Â°F	ASTM D648
Vicat Softening Point	90.0 Â°C	194 Â°F	ASTM D1525
Brittleness Temperature	<= -76.0 Â°C	<= -105 Â°F	F ₅₀ ; ASTM D746

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