

LyondellBasell Petrothene® NA324009 Low Density Polyethylene (Blow Molding Applications)

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

Material Notes:

ApplicationsPETROTHENE NA 324-009 is a low density homopolymer resin intended for blow molding applications. NA 324-009 provides good clarity, toughness and processability. Typical applications include flexible containers, squeeze bottles and toys. Regulatory StatusNA 324-009 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 TechniquesSpecific recommendations for processing NA 324-009 can only be made when the processing conditions, equipment and end use are known. For further suggestions, contact your Equistar sales representative.Physical PropertiesThese 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-NA324009-Low-Density-Polyethylene-Blow-Molding-Applications.php

Physical Properties	Metric	English	Comments
Density	0.931 g/cc	0.0336 lb/in ³	ASTM D1505
Melt Flow	3.0 g/10 min	3.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	59	59	ASTM D2240
Tensile Strength at Break	15.2 MPa	2200 psi	ASTM D638
Elongation at Break	>= 500 %	>= 500 %	ASTM D638
Flexural Modulus	0.386 GPa	56.0 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	53.0 Â°C	127 Â°F	ASTM D648
Vicat Softening Point	105 Â°C	221 Â°F	ASTM D1525
Brittleness Temperature	<= -76.0 Â°C	<= -105 Â°F	F ₅₀ ; ASTM D746

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