

LyondellBasell Petrothene[®] NA149000 Low Density Polyethylene, Blow Molding Grade

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

Material Notes:

PETROTHENE NA149000 resin exhibits an excellent balance of toughness and softness, with excellent dimensional stability. Typical applications include housewares, toys, containers and novelty items. Regulatory Status: NA149000 meets the requirements of the Food and Drug Administration regulations 21 CFR 177.1520 and 21 CFR 176.170. These regulations (respectively) allow for the use of this olefin polymer in "...articles or components of articles intended for use in contact with food;" or "as components of the uncoated or coated food-contact surface of paper and paperboard intended for use in producing, manufacturing, packaging, processing, preparing, treating, packing, transporting or holding aqueous and fatty food." Specific limitations or conditions of use may apply. Contact your Equistar sales representative for more information. Specific recommendations for processing NA149000 can only be made when the processing conditions, equipment and end use are known. For further suggestions, please contact your Equistar sales representative. This product is from the former Equistar product line.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Petrothene-NA149000-Low-Density-Polyethylene-Blow-Molding-Grade.php

Physical Properties	Metric	English	Comments
Density	0.919 g/cc	0.0332 lb/in ³	ASTM D1505
Melt Flow	4.0 g/10 min	4.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	11.0 MPa	1590 psi	ASTM D638
Elongation at Yield	640 %	640 %	ASTM D638
1% Secant Modulus	198 MPa	28700 psi	ASTM D790

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -76.0 Â°C	<= -105 Â°F	F₅₀; ASTM D746

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