

Petrothene

NA324009

Medium Density Polyethylene

Blow Molding Grade

Melt Index: 3.0 Density: 0.931



Applications

Petrothene NA324009 is a medium density homopolymer resin selected by customers for blow molding applications. NA324009 provides good clarity, toughness and processability. Typical applications include flexible containers, squeeze bottles and toys.

Regulatory Status

NA324009 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 more information.

Processing Techniques

Specific recommendations for processing NA324009 can be made only when the end use applications, required properties and processing equipment are known.

Typical Properties

Property	Nominal Value	Units	ASTM Test Method
Melt Index	3.0	g/10 min	D1238
Density	0.931	g/cc	D1505
Molding			
Tensile Strength @ Break	2,200	psi	D638
Elongation @ Break	>500	%	D638
Flexural Modulus	56,000	psi	D790
Low Temperature Brittleness, F ₅₀	<-76	°C	D746
Heat Deflection @ 66 psi	53	°C	D648
Vicat Softening Point	105	°C	D1525
Hardness, Shore D	59		D2240

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