

PRIMALENE WPP793

High Density Polyethylene

Southern Polymer, Inc.

Message:

A blow molding grade high density polyethylene

Applications:

Food packaging

Liquid food containers (Milk, water, and juices)

Thermoformed parts

Features:

Excellent barrier properties

Excellent processing uniformity

Produces bottles with excellent appearance and rigidity

Imparts minimum odor and taste

FDA approved

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	Good Surface Finish		
	High Density		
	Low to No Odor		
	Low to No Taste		
Uses	Beverage Containers		
	Containers		
	Food Packaging		
	Food Service Applications		
	Non-specific Food Applications		
	Packaging		
Thermoforming Applications			
Agency Ratings	FDA Food Contact, Unspecified Rating		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.963	g/cm³	ASTM D4883
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.73	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal)	10.0	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	32.0	MPa	ASTM D638
Tensile Elongation (Break)	350	%	ASTM D638
Flexural Modulus - Tangent	1720	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength	126	kJ/m ²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.1	°C	ASTM D746

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