

PRIMALENE WPP703

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

Thin gauge sheet

Features:

High stiffness

Medium molecular weight distribution

FDA approved

General Information			
Features	Food Contact Acceptable		
	High Density		
	High Stiffness		
	Med.-Wide Molecular Weight Distrib.		
Uses	Beverage Containers		
	Containers		
	Food Packaging		
	Food Service Applications		
	Non-specific Food Applications		
	Thermoforming Applications		
Agency Ratings	FDA Food Contact, Unspecified Rating		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.963	g/cm ³	ASTM D4883
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.25	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal)	15.0	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	31.0	MPa	ASTM D638
Tensile Elongation (Break)	450	%	ASTM D638
Flexural Modulus - Tangent	1620	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength	147	kJ/m ²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.1	°C	ASTM D746

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