

# PRIMALENE WPP701

High Density Polyethylene

Southern Polymer, Inc.

Message:

A blow molding grade high density polyethylene

Applications:

Food packaging

Household and industrial chemical containers

Thermoformed parts

Features:

Very good stress crack resistance

High impact strength

FDA approved

General Information			
Features	Food Contact Acceptable		
	Good Impact Resistance		
	High Density		
	High ESCR (Stress Crack Resist.)		
Uses	Containers		
	Food Packaging		
	Household Goods		
	Industrial Applications		
	Industrial Containers		
	Thermoforming Applications		
Agency Ratings		FDA Food Contact, Unspecified Rating	
Processing Method		Blow Molding	
Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm <sup>3</sup>	ASTM D4883
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.30	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal)	65.0	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.0	MPa	ASTM D638
Tensile Elongation (Break)	600	%	ASTM D638
Flexural Modulus - Tangent	1200	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength	189	kJ/m <sup>2</sup>	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.1	°C	ASTM D746

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#### Recommended distributors for this material

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