

# PRIMALENE WPP792

High Density Polyethylene

Southern Polymer, Inc.

Message:

A fractional melt index high density polyethylene

Applications:

Caps and closures

Compression molding

Food packaging

Household and industrial chemical containers

Thermoformed parts

Thin gauge sheet

Features:

Excellent processability on both continuous and intermittent equipment affords significant lightweighting and fast-cycling potential.

General Information			
Features	Good Processability		
	High Density		
Uses	Caps		
	Closures		
	Containers		
	Food Packaging		
	Household Goods		
	Industrial Applications		
	Industrial Containers		
	Sheet		
	Thermoforming Applications		
Processing Method	Compression Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.957	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.46	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal)	> 1000	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	30.0	MPa	ASTM D638
Tensile Elongation (Break)	1100	%	ASTM D638
Flexural Modulus	1450	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength	261	kJ/m <sup>2</sup>	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.1	°C	ASTM D746

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