

PRIMALENE WPP732

High Density Polyethylene

Southern Polymer, Inc.

Message:

An 6.6 melt index high density polyethylene

Applications:

Industrial pails (5-gallon)

Pail lids

Automotive applications

Foamed parts

Features:

Excellent impact strength

Good stiffness

FDA 21 CFR 177.1520 (c) 3.2a

General Information			
Features	Food Contact Acceptable		
	Good Impact Resistance		
	Good Stiffness		
	High Density		
Uses	Automotive Applications		
	Foam		
	Food Service Applications		
	Industrial Applications		
	Industrial Parts		
	Lids		
	Non-specific Food Applications		
	Pails		
Agency Ratings		FDA 21 CFR 177.1520(c) 3.2a	
Physical	Nominal Value	Unit	Test Method
Density	0.953	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.6	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, F50)	20.0	hr	ASTM D1693B
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	62		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	28.3	MPa	ASTM D638
Tensile Elongation ² (Break)	950	%	ASTM D638
Flexural Modulus - Tangent ³	1280	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method

Brittleness Temperature	< -75.0	°C	ASTM D746
Vicat Softening Temperature	125	°C	ASTM D1525
NOTE			
1.	51 mm/min		
2.	51 mm/min		
3.	13 mm/min		

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