

# PRIMALENE WPP551

Low Density Polyethylene

Southern Polymer, Inc.

Message:

A 16 melt index low density polyethylene

Applications:

Large housewares

Tamper evident, snap-on caps

Feminine hygiene applications

Features:

Excellent flexibility

Excellent flow

Moderate mold release

Good warpage resistance

FDA 21 CFR 177.1520

General Information			
Features	Food Contact Acceptable		
	Good Flexibility		
	Good Flow		
	Good Mold Release		
	Low Density		
	Warp Resistant		
Uses	Caps		
	Consumer Applications		
	Food Service Applications		
	Household Goods		
	Hygiene		
	Non-specific Food Applications		
Agency Ratings		FDA 21 CFR 177.1520	
Physical	Nominal Value	Unit	Test Method
Density	0.917	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	16	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	46		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	8.96	MPa	ASTM D638
Tensile Elongation (Break)	500	%	ASTM D638
Flexural Modulus - Tangent <sup>2</sup>	207	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-53.9	°C	ASTM D746

Vicat Softening Temperature	85.0	°C	ASTM D1525
NOTE			
1.	51 mm/min		
2.	13 mm/min		

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