

PRIMALENE WPP751

High Density Polyethylene
Southern Polymer, Inc.

Message:

An 20 melt index high density polyethylene
Applications:
Housewares
Toys
Pails
Automotive applications
Features:
Easy mold flow
Good impact strength and stiffness
FDA 21 CFR 177.1520 (c) 3.2a

General Information			
Features	Food Contact Acceptable		
	Good Flow		
	Good Impact Resistance		
	Good Stiffness		
	High Density		
Uses	Automotive Applications		
	Food Service Applications		
	Household Goods		
	Non-specific Food Applications		
	Pails Toys		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a		
Physical	Nominal Value	Unit	Test Method
Density	0.952	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, F50)	< 10.0	hr	ASTM D1693B
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	63		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	26.9	MPa	ASTM D638
Tensile Elongation ² (Break)	300	%	ASTM D638
Flexural Modulus - Tangent ³	1210	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -75.0	°C	ASTM D746

Vicat Softening Temperature	122	°C	ASTM D1525
NOTE			
1.	51 mm/min		
2.	51 mm/min		
3.	13 mm/min		

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