

PRIMALENE WPP722

High Density Polyethylene
Southern Polymer, Inc.

Message:

A 4.5 melt index high density polyethylene
Applications:
Open head pails
Large shipping containers
55-gallon drum lids
Features:
High impact strength
Excellent color
Low odor
Good processing stability
FDA 21 CFR 177.1520

General Information			
Features	Food Contact Acceptable		
	Good Impact Resistance		
	Good Processing Stability		
	High Density		
	Low to No Odor		
Uses	Containers		
	Food Service Applications		
	Lids		
	Non-specific Food Applications		
	Pails		
	Shipping Containers		
Agency Ratings	FDA 21 CFR 177.1520		
Physical	Nominal Value	Unit	Test Method
Density	0.953	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	28.0	MPa	
Break	> 29.0	MPa	
Tensile Elongation			ASTM D638
Yield	9.0	%	
Break	> 2000	%	
Flexural Modulus - 1% Secant	1290	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed)	73.3	°C	ASTM D648
Brittleness Temperature ¹	< -76.1	°C	ASTM D746
Vicat Softening Temperature	126	°C	ASTM D1525
NOTE			
1.	F50		

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