

PRIMALENE WPP741

High Density Polyethylene

Southern Polymer, Inc.

Message:

An 11.5 melt index high density polyethylene

Applications:

Food pails (2-5 gallon)

Automotive applications

Toys

Closures

Housewares

Features:

Good impact strength

Good stiffness

Durable and recyclable for sustainability

FDA 21 CFR 177.1520 (c) 3.2a

General Information			
Features	Durable		
	Food Contact Acceptable		
	Good Impact Resistance		
	Good Stiffness		
	High Density		
	Recyclable Material		
Uses	Automotive Applications		
	Closures		
	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)	12	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, F50)	15.0	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)	900	%	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	124	°C	ASTM D1525

NOTE

- | | |
|----|-----------|
| 1. | 51 mm/min |
| 2. | 51 mm/min |
| 3. | 13 mm/min |

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