

PRIMALENE WPP553

Low Density Polyethylene

Southern Polymer, Inc.

Message:

A 25 melt index low density polyethylene

Applications:

Housewares

Personal care products

Luggage handles

Features:

Good warpage resistance

Good flexibility

Excellent flow

FDA 21 CFR 177.1520 (c) 2.2

General Information			
Features	Food Contact Acceptable		
	Good Flexibility		
	Good Flow		
	Low Density		
	Warp Resistant		
Uses	Consumer Applications		
	Handles		
	Household Goods		
	Personal Care		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.2		
Physical	Nominal Value	Unit	Test Method
Density	0.925	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	25	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	51		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	11.7	MPa	ASTM D638
Tensile Elongation ² (Break)	150	%	ASTM D638
Flexural Modulus - Tangent ³	331	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-32.2	°C	ASTM D746
Vicat Softening Temperature	91.7	°C	ASTM D1525
NOTE			
1.	51 mm/min		

2.	13 mm/min
3.	13 mm/min

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