

PRIMALENE WPP721

High Density Polyethylene

Southern Polymer, Inc.

Message:

A narrow molecular weight high density polyethylene

Applications:

Roll-out carts

Features:

FDA 21 CFR 177.1520

General Information			
Features	Food Contact Acceptable		
	High Density		
	Narrow Molecular Weight Distribution		
Uses	Food Service Applications		
	Non-specific Food Applications		
Agency Ratings	FDA 21 CFR 177.1520		
Physical	Nominal Value	Unit	Test Method
Density	0.948	g/cm ³	ASTM D4883
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.5	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (10% Igepal, F50)	24.0	hr	ASTM D1693B
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	65		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	22.8	MPa	ASTM D638
Tensile Elongation ² (Break)	900	%	ASTM D638
Flexural Modulus	965	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	64	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	76.7	°C	ASTM D648
Brittleness Temperature	< -75.0	°C	ASTM D746
Vicat Softening Temperature	128	°C	ASTM D1525
NOTE			
1.	51 mm/min		
2.	51 mm/min		

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