

PRIMALENE WPP701A

High Density Polyethylene

Southern Polymer, Inc.

Message:

A blow molding grade high density polyethylene

Applications:

Agriculture products containers

Food packaging

Household and industrial chemical containers

Thin gauge sheet

Features:

Antistat

Good stress crack resistance

Good stiffness and impact strength

FDA 21 CFR 177.1520 (c) 3.1 & 3.2a

General Information			
Additive	Antistatic		
Features	Antistatic		
	Food Contact Acceptable		
	Good Impact Resistance		
	Good Stiffness		
	High Density		
	High ESCR (Stress Crack Resist.)		
Uses	Agricultural Applications		
	Containers		
	Food Packaging		
	Household Goods		
	Industrial Applications		
	Industrial Containers		
	Sheet		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1		
	FDA 21 CFR 177.1520(c) 3.2a		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.948	g/cm ³	ASTM D4883
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.22	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal)	> 200	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method

Tensile Modulus	1720	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	26.0	MPa	
Break	17.0	MPa	
Tensile Elongation			ASTM D638
Yield	9.0	%	
Break	900	%	
Flexural Modulus	1240	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength	221	kJ/m ²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	67.7	°C	ASTM D648
Brittleness Temperature	< -76.1	°C	ASTM D746
Vicat Softening Temperature	122	°C	ASTM D1525

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