

PRIMALENE WPP702

High Density Polyethylene

Southern Polymer, Inc.

Message:

A blow molding grade high density polyethylene

Applications:

Drainage pipes

Food packaging

Household and industrial chemical containers

Thermoformed parts

Thin gauge sheet

Features:

Good stiffness

Good stress crack resistance

General Information			
Features	Good Stiffness		
	High Density		
	High ESCR (Stress Crack Resist.)		
Uses	Containers		
	Food Packaging		
	Household Goods		
	Industrial Applications		
	Industrial Containers		
	Piping		
	Sheet		
	Thermoforming Applications		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.954	g/cm ³	ASTM D4883
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.30	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal)	25.0	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	28.0	MPa	
Break	14.0	MPa	
Tensile Elongation (Break)	560	%	ASTM D638
Flexural Modulus - Tangent	1310	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength	189	kJ/m ²	ASTM D1822

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.1	°C	ASTM D746
Vicat Softening Temperature	127	°C	ASTM D1525

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