

PRIMALENE WPP733

High Density Polyethylene

Southern Polymer, Inc.

Message:

An 8 melt index high density polyethylene

Applications:

Crates

Totes

Structural foam

Features:

Good impact strength and excellent stiffness

Moderate flow

FDA 21 CFR 177.1520 (c) 3.2a

General Information			
Features	Food Contact Acceptable		
	Good Flow		
	Good Impact Resistance		
	Good Stiffness		
	High Density		
Uses	Crates		
	Food Service Applications		
	Non-specific Food Applications		
	Structural Foam		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a		
Physical	Nominal Value	Unit	Test Method
Density	0.962	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, F50)	< 10.0	hr	ASTM D1693B
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	66		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	32.4	MPa	ASTM D638
Tensile Elongation ² (Break)	800	%	ASTM D638
Flexural Modulus - Tangent ³	1590	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	43	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	65.6	°C	ASTM D648

Brittleness Temperature	< -75.0	°C	ASTM D746
Vicat Softening Temperature	127	°C	ASTM D1525
NOTE			
1.	51 mm/min		
2.	51 mm/min		
3.	13 mm/min		

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WECHAT