

Bapolene® B0655

High Density Polyethylene

Bamberger Polymers, Inc.

Message:

Bapolene B0655 is a high molecular weight HDPE designed for large container blowmolding. This resin offers excellent impact and creep resistance, chemical resistance, and stiffness. This product meets the Food and Drug Administration requirements of 21CFR177.1520.

General Information			
Features	Rigidity, high		
	High molecular weight		
	High density		
	Impact resistance, high		
	Good creep resistance		
	Good chemical resistance		
Uses	Industrial application		
	Container		
	Water tank		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Blow molding		
Physical	Nominal Value	Unit	Test Method
Density	0.955	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	6.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance			
100% Igepal, F50	700	hr	ASTM D1693A
100% Igepal, F50	1000	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	26.9	MPa	ASTM D638
Tensile Elongation ² (Break)	600	%	ASTM D638
Flexural Modulus ³	1330	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-70.0	°C	ASTM D746
Additional Information			
Blow Molding Stock Temperature: 376 to 412°F			
NOTE			
1.	51 mm/min		
2.	51 mm/min		
3.	Method I (three-point load)		

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Recommended distributors for this material

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