

# Osterlene® HB6564

High Density Polyethylene

Osterman & Company

Message:

Osterlene HB6564 is a high quality product for critical food packaging requirements. HB6564 has excellent stiffness and good stiffness properties. Suggested applications for HB6564 would include distilled water, milk, soft drink concentrate and fruit juice, etc. Osterlene HB6564 meets the requirements of the Food and Drug Administration, 21 CFR Section 177.1520. This regulation allows the use of this olefin polymer in "...articles or components of articles intended for use in contact with food." Specific limitations may apply. Contact your Osterman sales representative for more information.

General Information			
Features	Rigidity, high		
	Compliance of Food Exposure		
Uses	Bottle		
	Container		
Agency Ratings		FDA 21 CFR 177.1520	
Physical	Nominal Value	Unit	Test Method
Density	0.964	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	0.65	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance			
F50	10.0	hr	ASTM D1693B
100% Igepal, F50	15.0 - 20.0	hr	ASTM D1693A
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, 50.8 mm)	30.3	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break, 50.8 mm)	> 300	%	ASTM D638
Flexural Modulus	1650	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -118	°C	ASTM D746
NOTE			
1.	Type 4, 50mm/min		
2.	Type 4, 50mm/min		

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