

# Formolene® HB4903

High Density Polyethylene

Formosa Plastics Corporation, U.S.A.

## Message:

Formolene HB4903 is a high performance copolymer that is designed for the most demanding blow molding applications. It is also utilized in many sheeting applications. This resin has exceptional stress crack resistance, excellent surface appearance, good melt strength, and good processability. Formolene HB 4903 meets all the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520 for food packaging at temperatures not exceeding 212°F (100°C).

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	Good Melt Strength		
	Good Processability		
	Hexene Comonomer		
	High ESCR (Stress Crack Resist.)		
	Pleasing Surface Appearance		
Uses	Blow Molding Applications		
	Food Packaging		
	Fuel Tanks		
	Industrial Containers		
	Seats		
	Sheet		
	Waste Containers		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520 2		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.949	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.30	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance			
10% Igepal, Compression Molded, F50	500	hr	ASTM D1693B
100% Igepal, Compression Molded, F50	500	hr	ASTM D1693A
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, Compression Molded)	24.8	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break, Compression Molded)	> 600	%	ASTM D638

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -118	°C	ASTM D746
NOTE			
1.	Type IV, 51 mm/min		
2.	Type IV, 51 mm/min		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

