

Formolene® HB6007

High Density Polyethylene

Formosa Plastics Corporation, U.S.A.

Message:

Formolene® HB6007 is a high quality product for those critical food packaging requirements. It also has excellent stiffness and good stiffness properties. Formolene® HB6007 meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles intended for direct food contact.

General Information			
UL YellowCard	E205741-559056		
Features	Food Contact Acceptable		
	High Stiffness		
	Homopolymer		
Uses	Bags		
	Bottles		
	Food Packaging		
	Fruit Juice Bottles		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.964	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.65	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance			
Compression Molded, F50	10.0	hr	ASTM D1693B
100% Igepal, Compression Molded, F50	15.0 to 20.0	hr	ASTM D1693A
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, Compression Molded)	30.3	MPa	ASTM D638
Tensile Elongation ² (Break, Compression Molded)	> 300	%	ASTM D638
Flexural Modulus (Compression Molded)	1650	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -118	°C	ASTM D746
NOTE			
1.	Type IV, 50 mm/min		
2.	Type IV, 50 mm/min		

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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

