

Formolene® HB6007F

High Density Polyethylene

Formosa Plastics Corporation, U.S.A.

Message:

Formolene® HB6007F is a high quality product for those critical food packaging requirements. It also has good stiffness properties and contains a antistatic additive to help dissipate dust particles on bottle surfaces.

Formolene® HB6007F 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			
Additive	Antistatic property		
Features	Rigid, good		
	Homopolymer		
	Antistatic property		
	Compliance of Food Exposure		
Uses	Juice bottle		
	Bottle		
	Food packaging		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
Forms	Particle		
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)	0.70	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, Compression Molded, F50)	15.0 - 20.0	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, Compression Molded)	30.0	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 4, 50mm/min		
2.	Type 4, 50mm/min		

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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

