



Formolene® HB6007F

Formosa Plastics Corporation, U.S.A. - High Density Polyethylene

Tuesday, November 5, 2019

General Information

Product Description

Formolene® HB6007F is a high quality product for those critical food packaging requirements. It also has good stiffness properties and contains an 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

Material Status	• Commercial: Active		
Availability	• North America		
Additive	• Antistatic		
Features	• Antistatic	• Good Stiffness	
	• Food Contact Acceptable	• Homopolymer	
Uses	• Bottles	• Food Packaging	• Fruit Juice Bottles
Agency Ratings	• EC 1907/2006 (REACH)	• FDA 21 CFR 177.1520	
Forms	• Pellets		
Processing Method	• Blow Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.964	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (190°C/2.16 kg)	0.70	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (ESCR) 100% Igepal, Compression Molded, F50	15.0 to 20.0	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, Compression Molded)	4350	psi	ASTM D638
Tensile Elongation ² (Break, Compression Molded)	> 300	%	ASTM D638
Flexural Modulus (Compression Molded)	240000	psi	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -180	°F	ASTM D746

Notes

¹ Typical properties: these are not to be construed as specifications.

² Type IV, 2.0 in/min