

Formolene® HB5502F

High Density Polyethylene

Formosa Plastics Corporation, U.S.A.

Message:

High Density Polyethylene Hexene Copolymer with Synthetic Antistat

Formolene® HB5502F HDPE resin is designed for applications requiring excellent stiffness and stress crack resistance properties. It may be used as a blow molding resin or sheet extrusion thermoforming resin.

Formolene® HB5502F 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	E205741-559055		
Additive	Antistatic		
Features	Antistatic		
	Food Contact Acceptable		
	Good Stiffness		
	Hexene Comonomer		
	High ESCR (Stress Crack Resist.)		
Uses	Food Packaging		
	Industrial Applications		
	Industrial Parts		
	Pallets		
	Pharmaceuticals		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Blow Molding		
	Sheet Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	0.954	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.35	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, Compression Molded, F50)	30.0	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, Compression Molded)	27.6	MPa	ASTM D638

Tensile Elongation ² (Break, Compression Molded)	> 600	%	ASTM D638
Flexural Modulus (Compression Molded)	1030	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature ³	< -84.4	°C	ASTM D746

NOTE			
1.	Type IV, 51 mm/min		
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3.	Compression Molded		

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Recommended distributors for this material

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