



**Formosa Plastics®**

Formolene® HDPE

**Technical Data Sheet**

**Formolene HB 5502F**

**Melt Index – 0.35**  
**Density – 0.954**

(Equivalent to our licensors - HHM 5602 LW)  
**High Density Polyethylene**  
**Hexene Copolymer with Synthetic Antistat**

Formolene HB 5502F 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 HB 5502F 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.

**Suggested Applications**

*Blow molding...*  
Pharmaceuticals  
Food Packaging  
Industrial chemicals  
Industrial parts

*Molding or forming...*  
Industrial parts  
Pallets

**Nominal Physical Properties**

PROPERTY*	TEST METHOD	ENGLISH		SI	
		Unit	Value	Unit	Value
Density	D1505	g/cc	0.954	g/cc	0.954
Melt Index, Condition E, 190°C/2.16 kg	D1238	g/10 min.	0.35	g/10 min.	0.35
Environmental Stress Crack Resistance (ESCR)	D1693	h	30	h	30
Condition B, F <sub>50</sub> (100% Igepal)					
Tensile Yield Strength, 2" (50 mm) per min.	D638	psi	4000	MPa	28
Ultimate Elongation, 2" (50 mm) per min.	Type IV D638				
Brittleness Temperature	D746	°F	<-120	°C	<-84
Flexural Modulus	D790	psi	150,000	MPa	1035

\* Physical properties reported herein were determined on compression molded specimens prepared in accordance with Procedure C of ASTM D1928.

THE NOMINAL PROPERTIES REPORTED HEREIN ARE TYPICAL OF THE PRODUCT BUT DO NOT REFLECT NORMAL TESTING VARIANCE AND THEREFORE SHOULD NOT BE USED FOR SPECIFICATION PURPOSES.

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