



**Formosa Plastics®**

**Formolene® HDPE**

## Formolene® HB5502A

**High Density Polyethylene (HDPE) Resin**  
**Contains an Antistatic Additive for Blow Molding Applications**

Formolene® HB5502A is designed for applications requiring excellent stiffness and stress crack resistance properties. It may be used as a general-purpose blow molding resin or sheet extrusion thermoforming resin.

**Suggested Applications:**

General Purpose Packaging  
 Bleach and Detergents

Personal Care Products  
 Industrial Chemicals & Parts

**Nominal Physical Properties:**

PROPERTY*	ASTM TEST METHOD	ENGLISH		SI	
		Unit	Value	Unit	Value
Density	D1505	g/cc	0.955	g/cc	0.955
Melt Index, Condition E, 190°C/2.16 kg Environmental Stress Crack Resistance (ESCR) Condition B, F <sub>50</sub> (100% Igepal) Tensile Yield Strength, 2" (50 mm) per min. Ultimate Elongation, 2" (50 mm) per min. Brittleness Temperature Flexural Modulus	D1238	g/10 min.	0.35	g/10 min.	0.35
	D1693 D638	h	35	h	35
	Type IV D638	psi.	4000	MPa	28
	Type IV D746	%	>600	%	>600
	D790	°F	<-180	°C	<-118
		psi.	200,000	MPa	1378

\* 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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