



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	D1238	g/10 min.	0.35	g/10 min.	0.35
Stress Crack Resistance (ESCR) Condition B, F ₅₀ (100% Igepal) Tensile Yield Strength, 2" (50 mm) per min. Ultimate Elongation, 2" (50 mm) per min.	D1693 D638 Type IV D638 Type IV	h psi. %	35 4000 >600	h MPa %	35 28 >600
Brittleness Temperature	D746	°F	<-180	°C	<-118
Flexural Modulus	D790	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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