



Formosa Plastics®

Formolene® HDPE

Technical Data Sheet

Formolene HB 5502A

Melt Index – 0.35

Density – 0.955

(Produced using licensor formulation for HHM 5502)

High Density Polyethylene

Hexene Copolymer for Blow Molding – With Antistat

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

Pharmaceutical packaging

Bleach and detergents

Personal care products

Industrial chemicals & parts

Nominal Physical Properties

PROPERTY*	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	D1238	g/10 min.	0.35	g/10 min.	0.35
Environmental Stress Crack Resistance (ESCR)					
Condition A, F ₅₀ (100% Igepal)	D1693	h	45	h	45
Condition B, F ₅₀	D1693	h	35	h	35
Tensile Yield Strength, 2" (50 mm) per min.	D638 Type IV	psi	4000	MPa	28
Ultimate Elongation, 2" (50 mm) per min.	D638 Type IV	%	>600	%	>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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