



**Preliminary Data Sheet**

**Formolene HB5502B**

**Melt Index – 0.35**

*(Produced using licensor formulation for HHM 5502BN)\**

**Density – 0.955**

**High Density Polyethylene**

**Hexene Copolymer for Blow Molding**

Formolene HB5502B 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.

Formolene HB5502B 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**

*Injection blow molded:* Pharmaceutical packaging

**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 <sub>50</sub> (100% Igepal)	D1693	h	45	h	45
Condition B, F <sub>50</sub>	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

\* Our licensor does not warrant or imply that this product meets their specifications for HHM 5502BN

\*\* 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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