

(Produced using licensor formulation for HHM 5202BN)

High Density Polyethylene

Hexene Copolymer for Blow Molding

Formolene® HB5202B 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® HB5202B 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:

Containers...

Bleach and Detergents

Chemicals

Molded or formed...

Industrial Housings

Shrouds

Tanks

Nominal Physical Properties:

PROPERTY*	ASTM TEST METHOD	ENGLISH		SI	
		Unit	Value	Unit	Value
Density	D1505	g/cc	0.952	g/cc	0.952
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	50	h	50
Condition B, F ₅₀	D1693	h	50	h	50
Tensile Yield Strength, 2" (50 mm) per min.	D638				
Type IV	Type IV	psi.	3900	MPa	27
Ultimate Elongation, 2" (50 mm) per min.	D638				
Type IV	Type IV	%	>600	%	>600
Brittleness Temperature	D746	°F	<-180	°C	<-118
Flexural Modulus	D790	psi.	190,000	MPa	1309

* 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.

Published 6/01, Revised 8/10

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ISO 9001:2008
FS 70459
FM 31429



ISO 14001:2004
EMS 35710



The provided data sheets and parameters are according to original manufacturers records and specifications, MEPC may no guarantee of outcome in individual applications, It is recommended that clients makes their own assessment of suitability of the commodity.

هاتف: ٢٤١٨٥٤٩٨, ٢٤١٨٥٤٩٩, فاكس: ٢٤١٨٥٤٩٧, ٩٦٨ +, ص.ب: ٤٢٥, الرمز البريدي: ١٢٤, الرسيل, مسقط, سلطنة عمان

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