

Formolene® HB5202B2

High Density Polyethylene
Formosa Plastics Corporation, U.S.A.

Message:
Formolene HB5202B2 is designed for applications requiring excellent stiffness, impact strength, and excellent stress crack resistance. It may be used as a blow molding resin or sheet extrusion thermoforming resin.

General Information			
Features	Food Contact Acceptable		
	Good Crack Resistance		
	Hexene Comonomer		
	High Density		
	High Impact Resistance		
	High Stiffness		
Uses	Blow Molding Applications		
	Housings		
	Industrial Containers		
	Non-specific Food Applications		
	Sheet		
	Tanks		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1500		
Forms	Pellets		
Processing Method	Blow Molding		
	Sheet Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	0.952	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.30	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance			
Compression Molded, F50	50.0	hr	ASTM D1693B
100% Igepal, Compression Molded, F50	50.0	hr	ASTM D1693A
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, Compression Molded)	26.9	MPa	ASTM D638

Tensile Elongation ² (Break, Compression Molded)	600	%	ASTM D638
Flexural Modulus (Compression Molded)	1310	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-118	°C	ASTM D746
NOTE			
1.	Type IV, 51 mm/min		
2.	Type IV, 51 mm/min		

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