

Formolene® HB5202A

High Density Polyethylene Copolymer

Formosa Plastics Corporation, U.S.A.

Technical Data

Product Description

(Produced using licensors formulation for HHM 5202LD) High Density Polyethylene Hexene Copolymer for Blow Molding - With Antistat

Formolene HB5202A is designed for applications requiring excellent stiffness and stress crack resistance properties.

General

Material Status	• Commercial: Active		
Literature ¹	• Technical Datasheet (English)		
Search for UL Yellow Card	• Formosa Plastics Corporation, U.S.A. • Formolene®		
Availability	• North America		
Additive	• Antistatic		
Features	• Antistatic • Copolymer	• Good Stiffness • Hexene Comonomer	• High ESCR (Stress Crack Resist.)
Uses	• Containers		
Agency Ratings	• EC 1907/2006 (REACH)		
Forms	• Pellets		
Processing Method	• Blow Molding		

Physical	Nominal Value Unit	Test Method
Density	0.952 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.35 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 ³ (Yield, Compression Molded)	26.9 MPa	ASTM D638
Tensile Elongation ³		ASTM D638
Break, Compression Molded	> 600 %	
Flexural Modulus (Compression Molded)	1310 MPa	ASTM D790

Thermal	Nominal Value Unit	Test Method
Brittleness Temperature ⁴	< -118 °C	ASTM D746

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

³ Type IV, 51 mm/min

⁴ Compression Molded