Formolene® HB5502A

High Density Polyethylene

Formosa Plastics Corporation, U.S.A.

Message:

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.

General Information	
UL YellowCard	E205741-559053
Additive	Antistatic
Features	Antistatic Copolymer Detergent Resistant General Purpose Good Stiffness Hexene Comonomer High Density High ESCR (Stress Crack Resist.)
Uses	Blow Molding Applications General Purpose Industrial Applications Industrial Containers Personal Care Pharmaceutical Packaging Sheet
Agency Ratings	EC 1907/2006 (REACH)
Forms	Pellets
Processing Method	Blow Molding Sheet Extrusion Thermoforming

Physical	Nominal Value	Unit	Test Method
Density	0.955	g/cm³	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	35.0	hr	ASTM D1693B
100% Igepal, Compression Molded, F50	45.0	hr	ASTM D1693A
Mechanical	**Nominal Value**	**Unit**	**Test Method**

Tensile Strength [1] (Yield, Compression Molded)	27.6	MPa	ASTM D638
Tensile Elongation [2] (Break, Compression Molded)	> 600	%	ASTM D638
Flexural Modulus (Compression Molded)	1380	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -118	°C	ASTM D746
NOTE			
1.	Type IV, 2.0 mm/min		
2.	Type IV, 2.0 mm/min		

Recommended distributors for this material

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