

## Formosa Plastics Formolene® HB5502F Blow Molding HDPE

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Blow Molding Grade

### Material Notes:

High Density Polyethylene Hexene Copolymer with Synthetic Antistat Formolene® HB5502F HDPE resin 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® HB5502F 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. Applications: Blow molding – Pharmaceuticals, Food Packaging, Industrial Chemicals and Industrial Parts; Molding or Forming - Industrial Parts and Pallets Physical properties reported herein were determined on compression molded specimens prepared in accordance with Procedure C of ASTM D1928. Information provided by Formosa Plastics Corporation, USA

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Formosa-Plastics-Formolene-HB5502F-Blow-Molding-HDPE.php](http://www.lookpolymers.com/polymer_Formosa-Plastics-Formolene-HB5502F-Blow-Molding-HDPE.php)

Physical Properties	Metric	English	Comments
Density	0.954 g/cc	0.0345 lb/in <sup>3</sup>	ASTM D1505
ESCR 100% Igepal®	30 hour	30 hour	Condition B, F<sub>50</sub>; ASTM D1693
Melt Flow	0.35 g/10 min @Load 2.16 kg, Temperature 190 °C	0.35 g/10 min @Load 4.76 lb, Temperature 374 °F	Condition E; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	27.6 MPa	4000 psi	2" (50mm) per min, Type IV; ASTM D638
Elongation at Break	>= 600 %	>= 600 %	2" (50mm) per min, Type IV; ASTM D638
Flexural Modulus	1.03 GPa	150 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -84.0 °C	<= -119 °F	ASTM D746

## Contact Songhan Plastic Technology Co.,Ltd.

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