

Formosa Plastics Formolene® HB6007 Blow Molding HDPE

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

Material Notes:

Homopolymer Applications: Milk, distilled water, soft drink concentrate, fruit juice, etc. Formolene HB6007 is a high quality product for those critical food packaging requirements. It also has excellent stiffness and good stiffness properties. Produced using licensor formulation for EHM 6007. Licensor does not warrant or imply that this product meets their specifications for EHM 6007. 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. Nominal properties reported herein were determined on compression molded specimens prepared in accordance with Procedure C of ASTM D1928. Physical properties are typical of product but do not reflect normal testing variance and therefore should not be used for specification purposes. Information provided by Formosa Plastics Corporation, USA.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Formosa-Plastics-Formolene-HB6007-Blow-Molding-HDPE.php

Physical Properties	Metric	English	Comments
Density	0.964 g/cc	0.0348 lb/in ³	ASTM D1505
Environmental Stress Crack Resistance	10 hour	10 hour	Condition B, F _{>50</sub>; ASTM D1693}
	15 - 20 hour	15 - 20 hour	Condition A (100% Igepal), F _{>50</sub>; ASTM D1693}
Melt Flow	0.65 g/10 min @Load 2.16 kg, Temperature 190 °C	0.65 g/10 min @Load 4.76 lb, Temperature 374 °F	Condition E; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	30.3 MPa	4400 psi	2" (50mm) per min.; ASTM D638 Type IV
Elongation at Break	>= 300 %	>= 300 %	2" (50mm) per min.; ASTM D638 Type IV
Flexural Modulus	1.65 GPa	240 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -118 °C	<= -180 °F	ASTM D746

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