Formosa Plastics Formolene® HB5202B Blow Molding HDPE

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

Material Notes:

Hexene CopolymerApplications: Bleach, detergent and chemical containers; Molded or formed industrial housings, shrouds, tanksFormolene HB5202B 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.Produced using licensor formulation for HHM 5202BN. Licensor does not warrant or imply that this product meets their specifications for HHM 5202BN.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-HB5202B-Blow-Molding-HDPE.php

Physical Properties	Metric	English	Comments
Density	0.952 g/cc	0.0344 lb/in³	ASTM D1505
Environmental Stress Crack Resistance	50 hour	50 hour	Condition A (100% Igepal), F₅₀; ASTM D1693
	50 hour	50 hour	Condition B, F₅₀; 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	26.9 MPa	3900 psi	2" (50mm) per min.; ASTM D638 Type IV
Elongation at Break	>= 600 %	>= 600 %	2" (50mm) per min.; ASTM D638 Type IV
Flexural Modulus	1.31 GPa	190 ksi	ASTM D790

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

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