

Formosa Plastics Formolene® HB5202A Blow Molding HDPE

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

Material Notes:

High Density Polyethylene Hexene Copolymer for Blow Molding – With Antistat Formolene® HB5202A is designed for applications requiring excellent stiffness and stress crack resistance properties. Applications: Containers - Bleach and Detergents and Chemicals. 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-HB5202A-Blow-Molding-HDPE.php

Physical Properties	Metric	English	Comments
Density	0.952 g/cc	0.0344 lb/in ³	ASTM D1505
Environmental Stress Crack Resistance	50 hour	50 hour	Condition B, F _{>50} ; ASTM D1693
ESCR 100% Igepal®	50 hour	50 hour	Condition A, F _{>50} ; 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, Type IV; ASTM D638
Elongation at Break	>= 600 %	>= 600 %	2" (50mm) per min, Type IV; ASTM D638
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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