Producer: Formosa Plastics / Taiwan

Formolene® HB5202B

Description:

High Density Polyethylene (Formolene® HDPE). Hexene Copolymer for Blow Molding

Produced using licensor formulation for HHM 5202BN

Formolene® 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.

Formolene® HB5202B 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.

Suggested Applications:

Containers…

- Bleach and Detergents
- Chemicals

Molded or formed…

- Industrial Housings
- Shrouds
- Tanks

Nominal Physical Properties:

PROPERTIES	ASTM TEST METHOD	ENGLISH		SI	
		Unit	Value	Unit	Value
Density	D1505	g/cc	0.952	g/cc	0.952
Melt Index, Condition E,	D1238	g/10 min	0.35	g/10 min	0.35
190°C/2.16 kg					
Environmental Stress Crack Resistance (ESCR)					
Condition A, F_{50} (100% Igepal)	D1693	h	50	h	50
Condition B, F_{50}	D1693	h	50	h	50
Tensile Yield Strength,	D638				
2" (50 mm) per min.	Type IV	psi.	3900	Mpa	27
Ultimate Elongation,	D638				
2" (50 mm) per min.	Type IV	%	>600	%	>600
Brittleness Temperature	D746	°F	<-180	°C	<-118
Flexural Modulus	D790	psi.	190,000	Mpa	1309

Physical properties reported herein were determined on compression molded specimens prepared in accordance with Procedure C of ASTM D1928.

The nominal properties reported herein are typical of the product but do not reflect normal testing variance and therefore should not be used for specification purposes.