Formolene HB 5502B

High Density Polyethylene
Hexene Copolymer for Blow Molding

Melt Index – 0.35
Density – 0.955

Formolene HB5502B is designed for applications requiring excellent stiffness and stress crack resistance properties. It may be used as a general-purpose blow molding resin or sheet extrusion thermoforming resin.
Formolene HB5502B 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

Pharmaceutical packaging
Bleach and detergents
Personal care products
Industrial chemicals & parts

Nominal Physical Properties

PROPERTY*	TEST METHOD	ENGLISH Unit	ENGLISH Value	SI Unit	SI Value
Density	D1505	g/cc	0.955	g/cc	0.955
Melt Index, Condition E, 190 °C/2.16 kg	D1238	g/10 min.	0.35	g/10 min.	0.35
Environmental Stress Crack Resistance (ESCR)					
Condition A, F_{50} (100% Igepal)	D1693	h	45	h	45
Condition B, F_{50}	D1693	h	35	h	35
Tensile Yield Strength, 2" (50 mm) per min.	D638 Type IV	psi	4000	MPa	28
Ultimate Elongation, 2" (50 mm) per min.	D638 Type IV	%	>600	%	>600
Brittleness Temperature	D746	°F	<-180	°C	<-118
Flexural Modulus	D790	psi	200,000	MPa	1378

* 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.

** Meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, and with the European standards 85/572/EEC, 90/128/EEC y 97/48/EEC covering safe use of polyolefin articles intended for direct food contact.

*** The reported values are typical and do not constitute a warranty but a guide for the diverse application possibilities.