# Formolene® HB6007

High Density Polyethylene

Formosa Plastics Corporation, U.S.A.

## Message:

Formolene® HB6007 is a high quality product for those critical food packaging requirements. It also has excellent stiffness and good stiffness properties. Formolene® HB6007 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.

| General Information | | | |
|---|---|---|---|
| UL YellowCard | E205741-559056 | | |
| Features | Food Contact Acceptable<br>High Stiffness<br>Homopolymer | | |
| Uses | Bags<br>Bottles<br>Food Packaging<br>Fruit Juice Bottles | | |
| Agency Ratings | EC 1907/2006 (REACH)<br>FDA 21 CFR 177.1520 | | |
| Forms | Pellets | | |
| Processing Method | Blow Molding | | |
| **Physical** | **Nominal Value** | **Unit** | **Test Method** |
| Density | 0.964 | g/cm³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 0.65 | g/10 min | ASTM D1238 |
| Environmental Stress-Cracking Resistance | | | |
| Compression Molded, F50 | 10.0 | hr | ASTM D1693B |
| 100% Igepal, Compression Molded, F50 | 15.0 to 20.0 | hr | ASTM D1693A |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Strength [1] (Yield, Compression Molded) | 30.3 | MPa | ASTM D638 |
| Tensile Elongation [2] (Break, Compression Molded) | > 300 | % | ASTM D638 |
| Flexural Modulus (Compression Molded) | 1650 | MPa | ASTM D790 |
| **Thermal** | **Nominal Value** | **Unit** | **Test Method** |
| Brittleness Temperature | < -118 | °C | ASTM D746 |
| NOTE | | | |
| 1. | Type IV, 50 mm/min | | |
| 2. | Type IV, 50 mm/min | | |

## Recommended distributors for this material

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