

# Formolene® LH6008

High Density Polyethylene

Formosa Plastics Corporation, U.S.A.

## Message:

Formolene® LH6008 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                       |                         |                   |             |
|-------------------------------------------|-------------------------|-------------------|-------------|
| Features                                  | Food Contact Acceptable |                   |             |
|                                           | High Density            |                   |             |
| Uses                                      | Caps                    |                   |             |
|                                           | Containers              |                   |             |
|                                           | Crates                  |                   |             |
|                                           | Tool/Tote Box           |                   |             |
|                                           | Toys                    |                   |             |
| Agency Ratings                            | EC 1907/2006 (REACH)    |                   |             |
|                                           | FDA 21 CFR 177.1520     |                   |             |
| Forms                                     | Pellets                 |                   |             |
| Processing Method                         | Injection Molding       |                   |             |
| Physical                                  | Nominal Value           | Unit              | Test Method |
| Density                                   | 0.960                   | g/cm <sup>3</sup> | ASTM D1505  |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 8.0                     | g/10 min          | ASTM D1238  |
| Hardness                                  | Nominal Value           | Unit              | Test Method |
| Durometer Hardness (Shore D)              | 70                      |                   | ASTM D2240  |
| Mechanical                                | Nominal Value           | Unit              | Test Method |
| Tensile Strength (Yield)                  | 32.1                    | MPa               | ASTM D638   |
| Flexural Modulus                          | 1210                    | MPa               | ASTM D790   |
| Impact                                    | Nominal Value           | Unit              | Test Method |
| Notched Izod Impact (23°C)                | 69                      | J/m               | ASTM D256   |

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