



# Formolene® 61440

## Impact Copolymer for Appliance Applications

Formolene® 61440 is a medium impact copolymer of polypropylene characterized by its easy mold flow, physical property balance and excellent dimensional stability. It is designed for consumer products and appliance applications requiring long-term heat-aging resistance and flexural endurance.

Formolene® 61440 has earned a UL continuous service rating of 110°C with recognition for typical use in laundry equipment.

This material is free of animal-derived content.

### Typical Properties of This Commercial Grade

| Property                                 | Test Method | Typical values |             |
|--|-------------|----------------|-------------|
|  |             | English        | SI          |
| Melt Flow Rate, I2 @ 230°C               | ASTM D1238  | 20 g/10 min    | 20 g/10 min |
| Density                                  | ASTM D1505  | 0.9 g/cm3      | 0.9 g/cm3   |
| Tensile Strength at Yield (50 mm/min)    | ASTM D638   | 3,900 psi      | 27 MPa      |
| Elongation at Yield (50 mm/min)          | ASTM D638   | 7 %            | 7 %         |
| Heat Deflection Temperature @ 66 psi     | ASTM D648   | 214 °F         | 101 °C      |
| Heat Deflection Temperature @ 264 psi    | ASTM D648   | 133 °F         | 56 °C       |
| Flexural Modulus (1.3 mm/min), 1% Secant | ASTM D790   | 175,000 psi    | 1207 MPa    |
| Notched Izod Impact Strength @ 73°F      | ASTM D256A  | 1.7 ft-lb/in   | 91 J/m      |

Note: Specimens were injection molded according to the conditions specified in ASTM D4101. Data for representative purposes only; not to be construed as product specification. Published 9/10, Revised 3/18

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