

Formosa Plastics Formolene® 61440 Impact Copolymer Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer , Polypropylene, Impact Modified; Molded/Extruded

Material Notes:

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. 61440 has earned a UL continuous service rating of 110°C with recognition for typical use in laundry equipment. Specimens were injection molded according to the conditions specified in ASTM D4101 Information provided by Formosa Plastics Corporation, USA

Order this product through the following link:

http://www.lookpolymers.com/polymer_Formosa-Plastics-Formolene-61440-Impact-Copolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	20 g/10 min @Temperature 230 °C	20 g/10 min @Temperature 446 °F	1₂; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	26.9 MPa	3900 psi	2" (50mm) per min; ASTM D638
Elongation at Yield	7.0 %	7.0 %	2" (50mm) per min; ASTM D638
Flexural Modulus	1.21 GPa	175 ksi	1.3mm per min, 1% secant; ASTM D790
Izod Impact, Notched	0.908 J/cm @Temperature 23.0 °C	1.70 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	101 °C	214 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	56.0 °C	133 °F	ASTM D648

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