

Formosa Plastics Formolene® 61450 Impact Copolymer Polypropylene

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

Material Notes:

Impact Copolymer for Appliance Applications Formolene® 61450 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. It has additional stiffness for good service performance Formolene® 61450 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. 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-61450-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	29.0 MPa	4200 psi	2" (50mm) per min; ASTM D638
Elongation at Yield	6.0 %	6.0 %	2" (50mm) per min; ASTM D638
Flexural Modulus	0.134 GPa	19.4 ksi	1.3mm per min, 1% secant; ASTM D790
Izod Impact, Notched	0.961 J/cm @Temperature 23.0 °C	1.80 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	106 °C	223 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	59.0 °C	138 °F	ASTM D648

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