

Formosa Plastics Formolene® 2510W Medium Impact Copolymer Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

Material Notes:

Impact Copolymer Applications: Trans-white battery cases
Formolene 2510W is a medium impact copolymer of polypropylene characterized by its easy mold flow, physical property balance and excellent dimensional stability. It contains a unique combination of stabilizers and pigment which give it excellent processing and improved color. 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. 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-2510W-Medium-Impact-Copolymer-Polypropylene.php

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

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	95	95	ASTM D785
Tensile Strength, Yield	24.1 MPa	3500 psi	2" (50mm) per min.; ASTM D638
Elongation at Yield	7.0 %	7.0 %	2" (50mm) per min.; ASTM D638
Flexural Modulus	1.07 GPa	155 ksi	1.3mm per min, 1% secant; ASTM D790
Izod Impact, Notched	1.12 J/cm	2.10 ft-lb/in	ASTM D256
	0.747 J/cm @Temperature 0.000 °C	1.40 ft-lb/in @Temperature 32.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	88.0 °C	190 °F	ASTM D648

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