

## Formosa Plastics Formolene® 5140H Compression Molding Polypropylene

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

**Material Notes:**

Homopolymer Applications: Compression Molded Caps and Closure Applications Formolene 5140H DEVELOPMENTAL is a polypropylene homopolymer designed and formulated for compression molded caps and closure applications. It contains a unique combination of stabilizers, nucleators and antistats that give it an excellent balance of stiffness and impact strength. Formolene 5140H offers advantages in both processing and physical properties over current polypropylenes used for compression molded caps and closures. 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-5140H-Compression-Molding-Polypropylene.php](http://www.lookpolymers.com/polymer_Formosa-Plastics-Formolene-5140H-Compression-Molding-Polypropylene.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	2.1 g/10 min @Temperature 230 °C	2.1 g/10 min @Temperature 446 °F	I<sub>2</sub>; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	114	114	ASTM D785
Tensile Strength, Yield	37.2 MPa	5400 psi	2" (50mm) per min.; ASTM D638
Elongation at Yield	5.0 %	5.0 %	2" (50mm) per min.; ASTM D638
Flexural Modulus	1.69 GPa	245 ksi	1.3mm per min, 1% secant; ASTM D790
Izod Impact, Notched	0.374 J/cm	0.700 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	117 °C	243 °F	ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

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