

## CMT Materials REN Shape® 440 Tooling Board, Modeling Board, Adhesive Products

Category : Polymer

**Material Notes:**

CMT Materials offers the complete line of REN Shape tooling board, modeling board, and related adhesive products. Vacuum formers and thermoformers use these products as prototype and low volume production molds when forming in applications where metal molds do not make sense due to time or cost considerations. CMT can help in selecting the proper board material for specific forming applications considering factors such as surface quality, ease in machining, tool durability, and forming temperature. Information Provided by CMT Materials, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_CMT-Materials-REN-Shape-440-Tooling-Board-Modeling-Board-Adhesive-Products.php](http://www.lookpolymers.com/polymer_CMT-Materials-REN-Shape-440-Tooling-Board-Modeling-Board-Adhesive-Products.php)

Physical Properties	Metric	English	Comments
Density	0.545 g/cc	0.0197 lb/in <sup>3</sup>	ASTM D-792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	54	54	ASTM D-2240
Tensile Strength, Ultimate	8.96 MPa	1300 psi	ASTM D-638
Flexural Strength	15.9 MPa	2300 psi	ASTM D-790
Flexural Modulus	0.731 GPa	106 ksi	ASTM D-790
Compressive Strength	9.65 MPa	1400 psi	ASTM D-695
Compressive Modulus	0.724 GPa	105 ksi	ASTM D-695

Thermal Properties	Metric	English	Comments
CTE, linear	61.9 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	34.4 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	ASTM D-3386
Glass Transition Temp, Tg	95.0 $^{\circ}\text{C}$	203 $^{\circ}\text{F}$	ASTM D-4065

Descriptive Properties	Value	Comments
Color	Brown	

### Contact Songhan Plastic Technology Co.,Ltd.

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