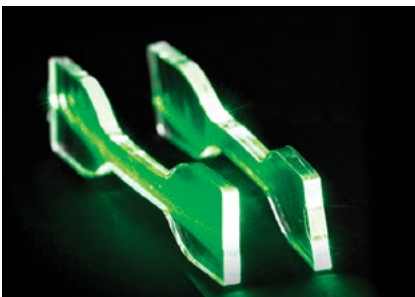
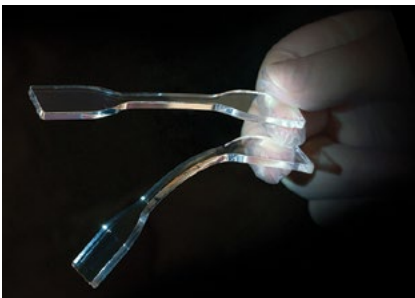


Tensile bar

This is the traditional shape for ASTM D-412 tensile and elongation testing. In addition, this particular mold is highly polished so it has a good optical surface. Our aging tests are run using



this bar for both physical and some optical testing. If held by one end, with the wider surface horizontal, you can readily observe the difference in hardness between the materials. The part made of SILASTIC™ MS-1002 Moldable Silicone will remain nearly horizontal, while the softer SILASTIC™ MS-1003 Moldable Silicone part will droop down. If either bar is rotated with the wider surface to vertical, there will be much less sag observed, even with the narrow neck. This is similar to using thicker ridges in a part to provide stiffening for some designs.

Points to note:

- Hold parts by the ends and notice the flexibility and rigidity difference in the materials.
- Pull the parts for strength and notice the difference in elongation (tensile break strength).
- A laser pointer beam can be transmitted through the part.

Learn more

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