BAP
MATERIAL CHARACTERIZATION DIVISION

TEST SPECIMEN MOLDING

AVAILABLE TEST SPECIMENS (updated 2/2024)

BARS

- ASTM D638 Type 1 Tensile Bar
- ASTM D638 Type 1 Double Gate Tensile Bar
- ASTM D638 Type 1 Double Gate Tensile Bar (0.027" Thick)
- ASTM D638 Type 1 Tensile Bar (0.0625" Thick)
- ASTM D638 Type 2 Tensile Bar
- ASTM D638 Type 3 Tensile Bar
- ASTM D638 Type 4 Tensile Bar
- ASTM D638 Type 4 Double Gate Tensile Bar
- ASTM D638 Type 5 Tensile Bar
- ASTM D638 Type 1 Tensile Long Grip Bar
- ASTM D638 Type 1 Tensile Shortened Grip Bar
- ISO 527 Type 1 Tensile Bar
- ISO 527 Type 1 Double Gate Tensile Bar
- ISO 527 Type 1A Tensile Bar (2mm Thick)
- ASTM D790 Flex Bar
- ASTM D790 Flex Bar (0.250" Thick)
- ASTM D790 Flex Bar (0.0625" Thick)
- ASTM D648 Heat Deflection Temperature Bar
- ASTM D256 Izod Bar
- Tensile Impact Bar Type L (0.125" Thick)
- Tensile Impact Bar Type L (0.0625" Thick)
- ASTM D1822 Tensile Bar Type S (0.0625" Thick)
- ASTM D1822 Tensile Bar Type S (0.125" Thick)
- ASTM D3163 Lap Shear Bar (4" x 1" x 0.064")
- ASTM D3163 Lap Shear Bar (4" x 1" x 0.125")
- ISO 178 Bar (80mm x 10mm x 4mm)
- ISO 178 Bar (80mm x 10mm x 3mm)
- 3" x 0.75" x 0.046" Bar
- 1.575" x 0.75" x 0.375" Bar
- 5" x 1" x 0.05" Bar
- 5" x 1" x 0.118" Bar
- 2.385" x 1.026" x 0.100" Bar
- 2.385" x 1.026" x 0.178" Bar
- 2.385" x 1.026" x 0.140" Bar
- 5" x 0.492" x 0.047" Bar
- 5" x 0.5" x 2mm Bar
- 38mm x 12.75mm x 3.25mm Bar
- 127mm x 12.5mm x 1.2mm Bar
- 127mm x 12.5mm x 1.4mm Bar

PLAQUES

- 4" x 4" x 0.125" Plaque
- 6" x 6" x 0.125" Plaque
- 6" x 6" x 3mm Plaque
- 6" x 6" x 2mm Plaque
- 6" x 6" x 1.7mm Plaque
- 6″ x 6″ x 1.5mm Plaque
- 150mm x 150mm x 2.5mm Plaque
- 150mm x 150mm x 6.0mm Plaque
- 6" x 4" x 0.125" Plaque
- 6" x 4" x 0.0625" Plaque
- 2.50" x 2.50" x 3mm Plaque
- 2.50" x 2.50" x 1mm Plaque
- 60mm x 60mm x 2mm Plaque
- 110mm x 70mm x 2mm Plaque
- 210mm x 180mm x 3.3mm Plaque
- 14" x 4" x 1.5mm Plaque
- 14" x 4" x 2mm Plaque

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DISKS

- ASTM D5628 4" x 0.250" Disk
- ASTM D5628 4" x 0.125" Disk
- ASTM D5628 4" x 0.0625" Disk
- ASTM D5628 3" x 0.200" Disk
- ASTM D575 0.5" x 0.250" Disk
- 3.125" x 0.080" Disk
- 2" x 0.125" Disk
- 160mm x 3mm Disk

UL SPECIFIC

- UL Flame Bar 125mm x 13mm x 0.40mm
- UL Flame Bar 125mm x 13mm x 0.50mm
- UL Flame Bar 125mm x 13mm x 0.60mm
- UL Flame Bar 125mm x 13mm x 0.70mm
- UL Flame Bar 125mm x 13mm x 0.75mm
- UL Flame Bar 125mm x 13mm x 0.80mm
- UL Flame Bar 125mm x 13mm x 0.90mm
- UL Flame Bar 125mm x 13mm x 1mm
- UL Flame Bar 125mm x 13mm x 1.20mm
- UL Flame Bar 125mm x 13mm x 1.50mm
- UL Flame Bar 125mm x 13mm x 1.60mm
- UL Flame Bar 125mm x 13mm x 1.80mm
- UL Flame Bar 125mm x 13mm x 2mm
- UL Flame Bar 125mm x 13mm x 2.30mm
- UL Flame Bar 125mm x 13mm x 2.50mm
- UL Flame Bar 125mm x 13mm x 2.60mm
- UL Flame Bar 125mm x 13mm x 3mm
- UL Flame Bar 125mm x 13mm x 3.20mm
- UL Flame Bar 125mm x 13mm x 4mm
- UL Flame Bar 125mm x 13mm x 5mm
- UL Flame Bar 125mm x 13mm x 6mm

MISC

- ASTM D3012 Thermal Oxidative Stability
- Step Chip
- ASTM D3702 Wear Rate
- Academic Weld Line Plaque

THE **BEAUMONT** TEST SPECIMEN MOLDING ADVANTAGE

- No family molds are utilized
- Prior to molding, hygroscopic polymers are dried to manufactures recommended conditions and moisture levels are verified with a Computrac Vapor-pro system
- Mold filling and packing are optimized per BAP's scientific approach to injection molding
- Full process documentation is supplied with every material/test specimen combination

To download an order form, visit: www.bapmolding.com/test-specimen-molding