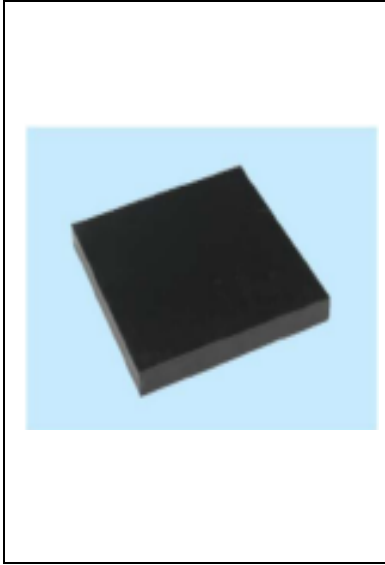


SORBOTHANE SHEET 12" X 12" (METRIC)



- Combines shock absorption, good memory, vibration isolation and vibration damping characteristics.
- Very effective acoustic damper and absorber.
- Stable material with long fatigue life.
- Low creep rate compared to other polymers.
- Superior damping coefficient over wide temperature range.
- Absorbs shock efficiently for millions of cycles.
- Eliminates need for metal springs to return system to its original equilibrium position after absorbing a shock.
- Custom sizes and colours available upon request.
- ROHS and REACH SVHC compliant.

AVAILABLE TO PURCHASE THROUGH DIGIKEY – [CLICK HERE](#)

Part Number	Dimensions	Thickness Tolerance	Duro (Shore 00)	Engineering Drawing
0212010-40-10	300x300x2.5	±0.38	40	PDF
0212010-50-10	300x300x2.5	±0.38	50	PDF
0212010-60-10	300x300x2.5	±0.38	60	PDF
0212010-70-10	300x300x2.5	±0.38	70	PDF
0212012-40-10	300x300x3	±0.51	40	PDF
0212012-50-10	300x300x3	±0.51	50	PDF
0212012-60-10	300x300x3	±0.51	60	PDF
0212012-70-10	300x300x3	±0.51	70	PDF
0212018-30-10	300x300x5	±0.51	30	PDF
0212018-40-10	300x300x5	±0.51	40	PDF
0212018-50-10	300x300x5	±0.51	50	PDF
0212018-60-10	300x300x5	±0.51	60	PDF
0212018-70-10	300x300x5	±0.51	70	PDF
0212025-30-10	300x300x6	±0.64	30	PDF
0212025-40-10	300x300x6	±0.64	40	PDF
0212025-50-10	300x300x6	±0.64	50	PDF
0212025-60-10	300x300x6	±0.64	60	PDF
0212025-70-10	300x300x6	±0.64	70	PDF
0212037-30-10	300x300x9.5	±0.64	30	PDF
0212037-40-10	300x300x9.5	±0.64	40	PDF
0212037-50-10	300x300x9.5	±0.64	50	PDF
0212037-60-10	300x300x9.5	±0.64	60	PDF
0212037-70-10	300x300x9.5	±0.64	70	PDF

0212050-30-10	300x300x13	±0.89	30	PDF
0212050-40-10	300x300x13	±0.89	40	PDF
0212050-50-10	300x300x13	±0.89	50	PDF
0212050-60-10	300x300x13	±0.89	60	PDF
0212050-70-10	300x300x13	±0.89	70	PDF
0212062-30-10	300x300x16	±0.89	30	PDF
0212062-40-10	300x300x16	±0.89	40	PDF
0212062-50-10	300x300x16	±0.89	50	PDF
0212062-60-10	300x300x16	±0.89	60	PDF
0212062-70-10	300x300x16	±0.89	70	PDF
0212075-30-10	300x300x16	±1.02	30	PDF
0212075-40-10	300x300x16	±1.02	40	PDF
0212075-50-10	300x300x16	±1.02	50	PDF
0212075-60-10	300x300x16	±1.02	60	PDF
0212075-70-10	300x300x16	±1.02	70	PDF
0212100-30-10	300x300x25	±1.52	30	PDF
0212100-40-10	300x300x25	±1.52	40	PDF
0212100-50-10	300x300x25	±1.52	50	PDF
0212100-60-10	300x300x25	±1.52	60	PDF
0212100-70-10	300x300x25	±1.52	70	PDF
0212150-30-10	300x300x38	±1.91	30	PDF
0212150-40-10	300x300x38	±1.91	40	PDF
0212150-50-10	300x300x38	±1.91	50	PDF
0212150-60-10	300x300x38	±1.91	60	PDF
0212150-70-10	300x300x38	±1.91	70	PDF
0212200-30-10	300x300x51	±0.08	30	TBA
0212200-50-10	300x300x51	±0.08	50	TBA
0212200-70-10	300x300x51	±0.08	70	TBA

Dimensions and tolerances are listed in mm

Notes

- **More is not better:** Large, lightly loaded sheet will have a high spring rate and will not deflect enough to provide good isolation. Over compression will lead to short product life. Correct compression range is 3-20%,
- **Geometry matters:** Small circular pieces and rings bulge better than squares and rectangles. “Bulgeability” makes for better isolation. Use many small discs rather than a few large rectangles for best performance.
- **Thickness matters:** Thicker the sheet, the lower the natural frequency. You need a sheet at least 1 inch thick to get your natural frequency down to 10Hz.
- **Do not bolt through Sorbothane:** The bolt will carry the vibration to the base. Use the natural tackiness of Sorbothane, or recommended adhesives to glue the Sorbothane to metal pieces on both sides, or consider a custom design with moulded-in stud mounts.

Datasheet Links

- [MATERIAL PROPERTIES](#)
- [PERFORMANCE DATA](#)
- [ADHESIVE RECOMMENDATIONS](#)
- [WATER RESISTANT SORBOTHANE](#)
- [WHAT IS SORBOTHANE?](#)
- [IMPERIAL MEASUREMENTS](#)