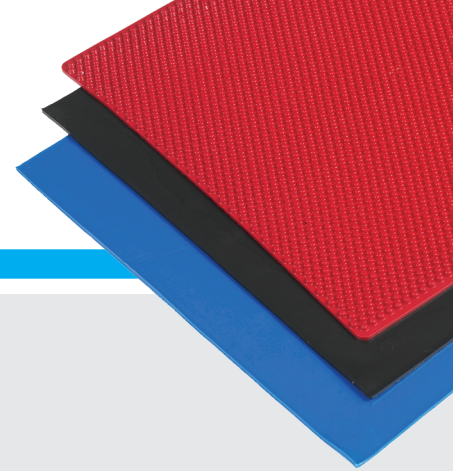


Sorbothane® Sheet Stock



CUSTOMIZING SHEET STOCK

▶ Die Cutting

Sheet stock up to 0.25-inch thick, with or without PSA can be die cut at additional cost. Die cut materials will have a concave edge. Consult factory on costs.

▶ Water Jet Cutting

Sheet stock of any thickness can be water jet cut. Water jet cut materials will have a clean edge. Consult factory on costs.

▶ Gaskets

Sorbothane is a popular material for gaskets because of its chemical resistance, conformability to irregular surfaces, low creep and reusability. Its natural tackiness makes it easy to install.

Gaskets can be knife-cut, scissor-cut, die cut, molded or water jet cut.

▶ X-Tra Flex Sheet

X-Tra Flex Sheet is molded with hemispherical bumps. The hemispheres permit the material to flex more easily and allow for soft deformation under load. Overall sheet thickness is approximately 0.185-inch. The hemispheres are approximately 0.09 high and 0.12 diameter. X-Tra Flex sheets are easier to apply to curved and irregular surfaces and provide a softer spring rate.

▶ Special Sizes, Colors and Thicknesses

The factory can pour special shapes, colors and thicknesses. Tooling costs can be as low as 200 USD per mold. The tooling charge is normally less than your internal fabrication costs for special work except for the smallest volumes.

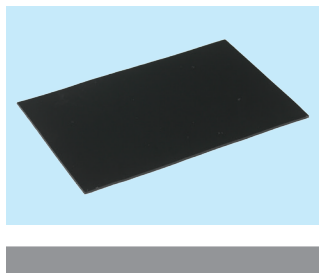
Sheet Stock for Vibration Applications

In designing your own vibration mounts from sheet stock keep the following in mind:

- **More is not better.** A 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 service life. The proper compression range is 3 to 20 percent depending on the “Shape Factor.” Shape factor is the ratio of contact surface (one side) divided by perimeter area. See page 5 for calculation of shape factors.
- **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 vibration isolation performance.
- **Thickness matters.** The thicker the sheet, the lower the natural frequency. You need a sheet at least one-inch thick to get your natural frequency down to 10 Hertz. (10 Hertz is your target natural frequency for a 900 RPM motor.)
- **Do not “bolt through” your Sorbothane sheet.** The bolt will carry the vibration to the base. Use the natural tackiness of Sorbothane, or apply adhesives to glue the Sorbothane to metal plates on both sides, or consider a custom design with molded-in stud mounts.
- **Use vibration-rated connections.** Where bolted connections are used, use high-quality (thread deforming) lock nuts or doubled jam nuts to prevent connections from vibrating loose.

SHEET STOCK

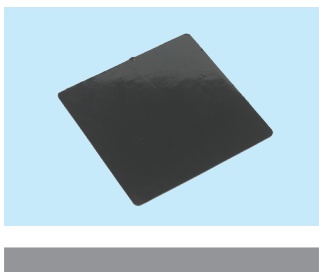
4" x 6"



PART NUMBER	THICKNESS	THICKNESS TOLERANCE	DURO	STOCK ITEM	NOTES
0208040-40-10	0.040	±0.007	40	•	
0208040-50-10	0.040	±0.007	50	•	
0208040-60-10	0.040	±0.007	60	•	
0208040-70-10	0.040	±0.007	70	•	
0208060-40-10	0.060	±0.007	40	•	
0208060-50-10	0.060	±0.007	50	•	
0208060-60-10	0.060	±0.007	60	•	
0208060-70-10	0.060	±0.007	70	•	

SHEET STOCK

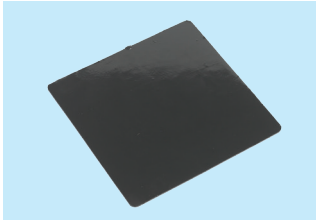
6" x 6"



PART NUMBER	THICKNESS	THICKNESS TOLERANCE	DURO	STOCK ITEM	NOTES
0206080-40-10	0.080	±0.015	40	•	
0206080-50-10	0.080	±0.015	50	•	
0206080-60-10	0.080	±0.015	60	•	
0206080-70-10	0.080	±0.015	70	•	
0266025-30-10	0.25	±0.025	30	•	
0266025-40-10	0.25	±0.025	40	•	
0266025-50-10	0.25	±0.025	50	•	
0266025-60-10	0.25	±0.025	60	•	
0266025-70-10	0.25	±0.025	70	•	
0266050-30-10	0.50	±0.035	30	•	
0266050-40-10	0.50	±0.035	40	•	
0266050-50-10	0.50	±0.035	50	•	
0266050-60-10	0.50	±0.035	60	•	
0266050-70-10	0.50	±0.035	70	•	
0266075-30-10	0.75	±0.040	30	•	
0266075-40-10	0.75	±0.040	40	•	
0266075-50-10	0.75	±0.040	50	•	
0266075-60-10	0.75	±0.040	60	•	
0266075-70-10	0.75	±0.040	70	•	
0266100-30-10	1.00	±0.060	30	•	
0266100-40-10	1.00	±0.060	40	•	
0266100-50-10	1.00	±0.060	50	•	
0266100-60-10	1.00	±0.060	60	•	
0266100-70-10	1.00	±0.060	70	•	

SHEET STOCK

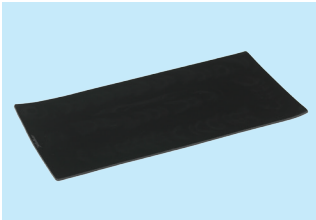
7" x 7"



PART NUMBER	THICKNESS	THICKNESS TOLERANCE	DURO	STOCK ITEM	NOTES
0208047-40-10	0.040	±0.007	40	•	NEW
0208047-50-10	0.040	±0.007	50	•	NEW
0208047-60-10	0.040	±0.007	60	•	NEW
0208047-70-10	0.040	±0.007	70	•	NEW

SHEET STOCK

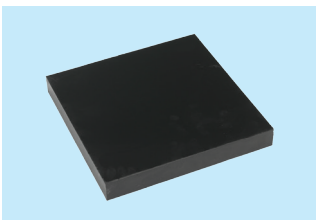
6" x 12"



PART NUMBER	THICKNESS	THICKNESS TOLERANCE	DURO	STOCK ITEM	NOTES
0206109-40-10	0.100	±0.015	40	•	
0206109-50-10	0.100	±0.015	50	•	
0206109-60-10	0.100	±0.015	60	•	
0206109-70-10	0.100	±0.015	70	•	
0206111-40-10	0.125	±0.020	40	•	
0206111-50-10	0.125	±0.020	50	•	
0206111-60-10	0.125	±0.020	60	•	
0206111-70-10	0.125	±0.020	70	•	
0206118-30-10	0.188	±0.020	30	•	
0206118-40-10	0.188	±0.020	40	•	
0206118-50-10	0.188	±0.020	50	•	
0206118-60-10	0.188	±0.020	60	•	
0206118-70-10	0.188	±0.020	70	•	
0206125-30-10	0.250	±0.025	30	•	
0206125-40-10	0.250	±0.025	40	•	
0206125-50-10	0.250	±0.025	50	•	
0206125-60-10	0.250	±0.025	60	•	
0206125-70-10	0.250	±0.025	70	•	

SHEET STOCK

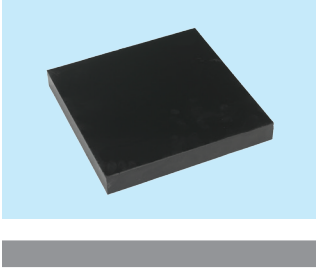
12" x 12"



PART NUMBER	THICKNESS	THICKNESS TOLERANCE	DURO	STOCK ITEM	NOTES
0212010-40-10	0.100	±0.015	40	•	
0212010-50-10	0.100	±0.015	50	•	
0212010-60-10	0.100	±0.015	60	•	
0212010-70-10	0.100	±0.015	70	•	
0212012-40-10	0.125	±0.020	40	•	
0212012-50-10	0.125	±0.020	50	•	
0212012-60-10	0.125	±0.020	60	•	
0212012-70-10	0.125	±0.020	70	•	

SHEET STOCK

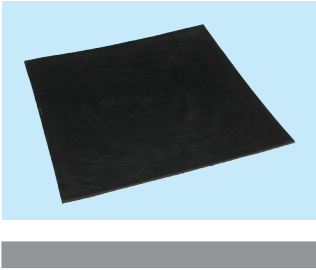
12" x 12" *continued*



PART NUMBER	THICKNESS	THICKNESS TOLERANCE	DURO	STOCK ITEM	NOTES
0212018-30-10	0.188	±0.020	30	•	
0212018-40-10	0.188	±0.020	40	•	
0212018-50-10	0.188	±0.020	50	•	
0212018-60-10	0.188	±0.020	60	•	
0212018-70-10	0.188	±0.020	70	•	
0212025-30-10	0.250	±0.025	30	•	
0212025-40-10	0.250	±0.025	40	•	
0212025-50-10	0.250	±0.025	50	•	
0212025-60-10	0.250	±0.025	60	•	
0212025-70-10	0.250	±0.025	70	•	
0212037-30-10	0.375	±0.025	30	•	
0212037-40-10	0.375	±0.025	40	•	
0212037-50-10	0.375	±0.025	50	•	
0212037-60-10	0.375	±0.025	60	•	
0212037-70-10	0.375	±0.025	70	•	
0212050-30-10	0.500	±0.035	30	•	
0212050-40-10	0.500	±0.035	40	•	
0212050-50-10	0.500	±0.035	50	•	
0212050-60-10	0.500	±0.035	60	•	
0212050-70-10	0.500	±0.035	70	•	
0212062-30-10	0.625	±0.035	30		
0212062-40-10	0.625	±0.035	40		
0212062-50-10	0.625	±0.035	50		
0212062-60-10	0.625	±0.035	60		
0212062-70-10	0.625	±0.035	70		
0212075-30-10	0.750	±0.040	30		
0212075-40-10	0.750	±0.040	40		
0212075-50-10	0.750	±0.040	50		
0212075-60-10	0.750	±0.040	60		
0212075-70-10	0.750	±0.040	70		
0212100-30-10	1.000	±0.060	30		
0212100-40-10	1.000	±0.060	40		
0212100-50-10	1.000	±0.060	50		
0212100-60-10	1.000	±0.060	60		
0212100-70-10	1.000	±0.060	70		
0212150-30-10	1.500	±0.075	30		
0212150-40-10	1.500	±0.075	40		
0212150-50-10	1.500	±0.075	50		
0212150-60-10	1.500	±0.075	60		
0212150-70-10	1.500	±0.075	70		

SHEET STOCK

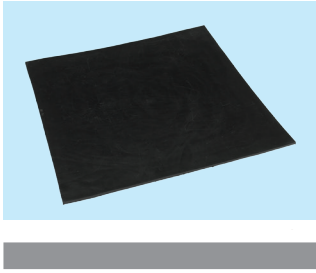
24" x 24"



PART NUMBER	THICKNESS	THICKNESS TOLERANCE	DURO	STOCK ITEM	NOTES
0224012-40-10	0.125	±0.025	40	•	
0224012-50-10	0.125	±0.025	50	•	
0224012-60-10	0.125	±0.025	60	•	
0224012-70-10	0.125	±0.025	70	•	
0224018-40-10	0.188	±0.030	40	•	
0224018-50-10	0.188	±0.030	50	•	
0224018-60-10	0.188	±0.030	60	•	
0224018-70-10	0.188	±0.030	70	•	
0224025-30-10	0.250	±0.040	30	•	
0224025-40-10	0.250	±0.040	40	•	
0224025-50-10	0.250	±0.040	50	•	
0224025-60-10	0.250	±0.040	60	•	
0224025-70-10	0.250	±0.040	70	•	
0224037-30-10	0.375	±0.040	30	•	
0224037-40-10	0.375	±0.040	40	•	
0224037-50-10	0.375	±0.040	50	•	
0224037-60-10	0.375	±0.040	60	•	
0224037-70-10	0.375	±0.040	70	•	
0224050-30-10	0.500	±0.045	30		
0224050-40-10	0.500	±0.045	40		
0224050-50-10	0.500	±0.045	50		
0224050-60-10	0.500	±0.045	60		
0224050-70-10	0.500	±0.045	70		
0224062-30-10	0.625	±0.060	30		
0224062-40-10	0.625	±0.060	40		
0224062-50-10	0.625	±0.060	50		
0224062-60-10	0.625	±0.060	60		
0224062-70-10	0.625	±0.060	70		
0224075-30-10	0.750	±0.060	30		
0224075-40-10	0.750	±0.060	40		
0224075-50-10	0.750	±0.060	50		
0224075-60-10	0.750	±0.060	60		
0224075-70-10	0.750	±0.060	70		
0224100-30-10	1.000	±0.070	30		
0224100-40-10	1.000	±0.070	40		
0224100-50-10	1.000	±0.070	50		
0224100-60-10	1.000	±0.070	60		
0224100-70-10	1.000	±0.070	70		

SHEET STOCK

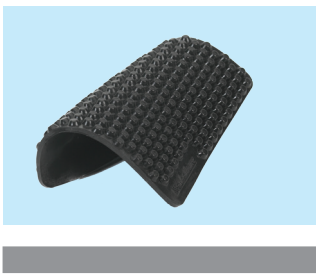
25" x 25"



PART NUMBER	THICKNESS	THICKNESS TOLERANCE	DURO	STOCK ITEM	NOTES
0225012-40-10	0.125	±0.025	40		NEW
0225012-50-10	0.125	±0.025	50		NEW
0225012-60-10	0.125	±0.025	60		NEW
0225012-70-10	0.125	±0.025	70		NEW
0225018-40-10	0.188	±0.030	40		NEW
0225018-50-10	0.188	±0.030	50		NEW
0225018-60-10	0.188	±0.030	60		NEW
0225018-70-10	0.188	±0.030	70		NEW
0225025-30-10	0.250	±0.040	30		NEW
0225025-40-10	0.250	±0.040	40		NEW
0225025-50-10	0.250	±0.040	50		NEW
0225025-60-10	0.250	±0.040	60		NEW
0225025-70-10	0.250	±0.040	70		NEW
0225037-30-10	0.375	±0.040	30		NEW
0225037-40-10	0.375	±0.040	40		NEW
0225037-50-10	0.375	±0.040	50		NEW
0225037-60-10	0.375	±0.040	60		NEW
0225037-70-10	0.375	±0.040	70		NEW
0225050-30-10	0.500	±0.045	30		NEW
0225050-40-10	0.500	±0.045	40		NEW
0225050-50-10	0.500	±0.045	50		NEW
0225050-60-10	0.500	±0.045	60		NEW
0225050-70-10	0.500	±0.045	70		NEW

SHEET STOCK

X-Tra Flex
12" x 14"

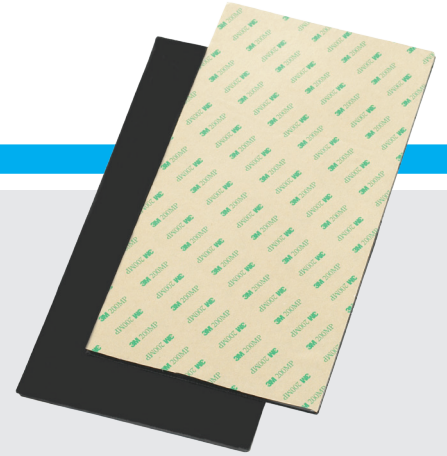


PART NUMBER	THICKNESS	THICKNESS TOLERANCE	DURO	STOCK ITEM	NOTES
0225532-40-10	0.19	±0.025	40	•	
0225532-50-10	0.19	±0.025	50	•	
0225532-60-10	0.19	±0.025	60	•	
0225532-70-10	0.19	±0.025	70	•	

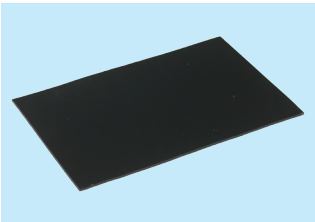
X-Tra Flex Sheet is molded with hemispherical bumps. The hemispheres permit the material to flex more easily and allow for soft deformation under load.

Sorbothane® Sheet Stock with PSA

Sorbothane® Sheets with PSA are available in several sizes, thicknesses and durometers. Sheet Stock can be knife-cut, scissor-cut, die cut or water jet cut. The aggressive pressure sensitive adhesive features a thin polyester film for dimensional stability and improved handling. The adhesive demonstrates exceptional temperature and chemical resistance. Firm application pressure and the amount of adhesive-to-surface contact combine to develop a strong bond.

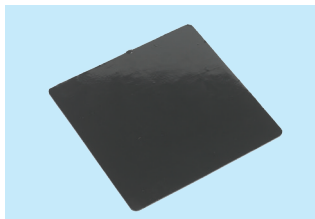


SHEET STOCK 4" x 6" with PSA



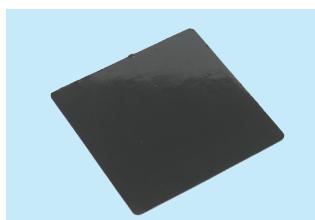
PART NUMBER	THICKNESS	THICKNESS TOLERANCE	DURO	STOCK ITEM	NOTES
0208045-40-10	0.040	±0.010	40	•	PSA
0208045-50-10	0.040	±0.010	50	•	PSA
0208045-60-10	0.040	±0.010	60	•	PSA
0208045-70-10	0.040	±0.010	70	•	PSA
0208065-40-10	0.060	±0.010	40	•	PSA
0208065-50-10	0.060	±0.010	50	•	PSA
0208065-60-10	0.060	±0.010	60	•	PSA
0208065-70-10	0.060	±0.010	70	•	PSA

SHEET STOCK 6" x 6" with PSA



PART NUMBER	THICKNESS	THICKNESS TOLERANCE	DURO	STOCK ITEM	NOTES
0206081-40-10	0.080	±0.015	40	•	PSA
0206081-50-10	0.080	±0.015	50	•	PSA
0206081-60-10	0.080	±0.015	60	•	PSA
0206081-70-10	0.080	±0.015	70	•	PSA

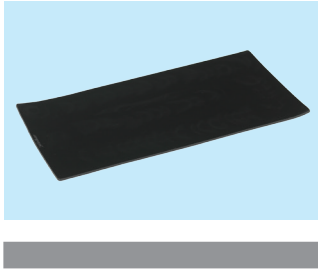
SHEET STOCK 7" x 7" with PSA



PART NUMBER	THICKNESS	THICKNESS TOLERANCE	DURO	STOCK ITEM	NOTES
0208049-40-10	0.040	±0.007	40	•	PSA
0208049-50-10	0.040	±0.007	50	•	PSA
0208049-60-10	0.040	±0.007	60	•	PSA
0208049-70-10	0.040	±0.007	70	•	PSA

SHEET STOCK

6" x 12" with PSA



PART NUMBER	THICKNESS	THICKNESS TOLERANCE	DURO	STOCK ITEM	NOTES
0206110-40-10	0.100	±0.020	40	•	PSA
0206110-50-10	0.100	±0.020	50	•	PSA
0206110-60-10	0.100	±0.020	60	•	PSA
0206110-70-10	0.100	±0.020	70	•	PSA
0206112-40-10	0.125	±0.025	40	•	PSA
0206112-50-10	0.125	±0.025	50	•	PSA
0206112-60-10	0.125	±0.025	60	•	PSA
0206112-70-10	0.125	±0.025	70	•	PSA
0206119-30-10	0.188	±0.025	30	•	PSA
0206119-40-10	0.188	±0.025	40	•	PSA
0206119-50-10	0.188	±0.025	50	•	PSA
0206119-60-10	0.188	±0.025	60	•	PSA
0206119-70-10	0.188	±0.025	70	•	PSA
0206126-30-10	0.250	±0.025	30	•	PSA
0206126-40-10	0.250	±0.025	40	•	PSA
0206126-50-10	0.250	±0.025	50	•	PSA
0206126-60-10	0.250	±0.025	60	•	PSA
0206126-70-10	0.250	±0.025	70	•	PSA

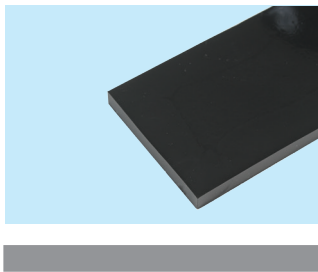
Sorbothane® Strips

Sorbothane® Strips offer a quick and effective method for isolating a wide variety of equipment. Choose the correct thickness, durometer and number of Strips required for the load. Sorbothane® Strips can easily be cut to size and are ideal for medium to heavy loads.



STRIPS

2" x 36"



PART NUMBER	THICKNESS	THICKNESS TOLERANCE	DURO	STOCK ITEM	NOTES
0236212-50-10	0.125	±0.015	50	•	
0236212-70-10	0.125	±0.015	70	•	
0236225-50-10	0.25	±0.020	50	•	
0236225-70-10	0.25	±0.020	70	•	
0236237-30-10	0.375	±0.025	30	•	
0236237-50-10	0.375	±0.025	50	•	
0236237-70-10	0.375	±0.025	70	•	
0236250-30-10	0.50	±0.030	30	•	
0236250-50-10	0.50	±0.030	50	•	
0236250-70-10	0.50	±0.030	70	•	