

Sorbothane® Sheet Stock

CUSTOMIZING SHEET STOCK

▶ Die Cutting

Sheet Stock up to 0.375-inch thick, with or without PSA can be die cut at additional cost. Die cut materials 0.25-inch and thicker 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.

Available colors include:



BLACK



BLUE



DARK BLUE



RED



ORANGE



GREEN

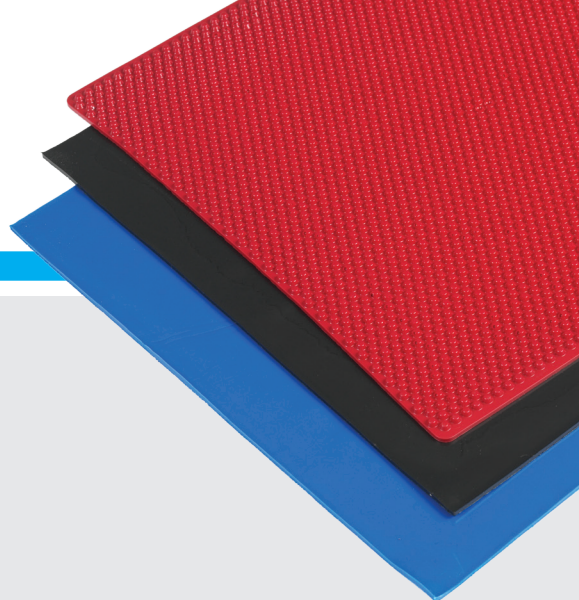


YELLOW



GRAY

Please contact factory for pricing & minimums

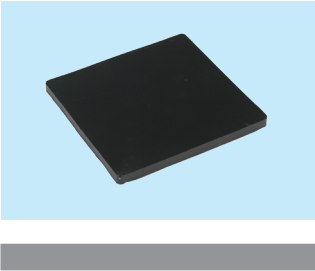


Sheet Stock for Vibration Applications

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

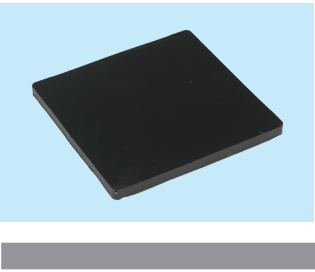
- **More is not better.** A large, lightly loaded sheet will have a high spring rate and will not deflect enough to provide good isolation. Over compression will lead to short service life. The proper compression range is 3 to 20 percent depending on the "Shape Factor." Shape factor is the ratio of contact 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.

SMALL SHEET STOCK
4" x 4"



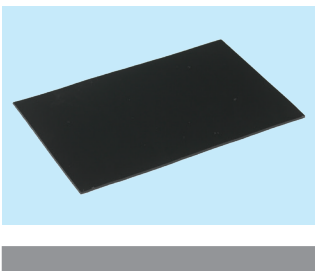
PART NUMBER	DIMENSIONS	THICKNESS TOLERANCE	DURO +/- 5	NOTES
0204010-30-10	4 x 4 x 0.10	±0.015	30	
0204010-50-10	4 x 4 x 0.10	±0.015	50	
0204010-70-10	4 x 4 x 0.10	±0.015	70	
0204012-30-10	4 x 4 x 0.125	±0.020	30	
0204012-50-10	4 x 4 x 0.125	±0.020	50	
0204012-70-10	4 x 4 x 0.125	±0.020	70	
0204018-30-10	4 x 4 x 0.188	±0.020	30	
0204018-50-10	4 x 4 x 0.188	±0.020	50	
0204018-70-10	4 x 4 x 0.188	±0.020	70	
0204025-30-10	4 x 4 x 0.25	±0.025	30	
0204025-50-10	4 x 4 x 0.25	±0.025	50	
0204025-70-10	4 x 4 x 0.25	±0.025	70	
0204037-30-10	4 x 4 x 0.375	±0.025	30	
0204037-50-10	4 x 4 x 0.375	±0.025	50	
0204037-70-10	4 x 4 x 0.375	±0.025	70	
0204050-30-10	4 x 4 x 0.50	±0.035	30	
0204050-50-10	4 x 4 x 0.50	±0.035	50	
0204050-70-10	4 x 4 x 0.50	±0.035	70	

SMALL SHEET STOCK
5" x 5"



PART NUMBER	DIMENSIONS	THICKNESS TOLERANCE	DURO +/- 5	NOTES
0205025-30-10	5 x 5 x 0.25	±0.025	30	
0205025-50-10	5 x 5 x 0.25	±0.025	50	
0205025-70-10	5 x 5 x 0.25	±0.025	70	
0205050-30-10	5 x 5 x 0.50	±0.035	30	
0205050-50-10	5 x 5 x 0.50	±0.035	50	
0205050-70-10	5 x 5 x 0.50	±0.035	70	

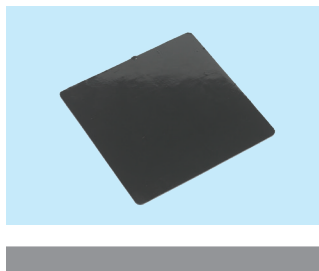
SHEET STOCK
4" x 6"



PART NUMBER	DIMENSIONS	THICKNESS TOLERANCE	DURO +/- 5	NOTES
0208040-40-10	4 x 6 x 0.040	±0.007	40	
0208040-50-10	4 x 6 x 0.040	±0.007	50	
0208040-60-10	4 x 6 x 0.040	±0.007	60	
0208040-70-10	4 x 6 x 0.040	±0.007	70	
0208060-40-10	4 x 6 x 0.060	±0.007	40	
0208060-50-10	4 x 6 x 0.060	±0.007	50	
0208060-60-10	4 x 6 x 0.060	±0.007	60	
0208060-70-10	4 x 6 x 0.060	±0.007	70	

SHEET STOCK

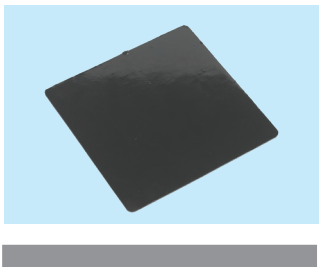
6" x 6"



PART NUMBER	DIMENSIONS	THICKNESS TOLERANCE	DURO +/- 5	NOTES
0206080-40-10	6 x 6 x 0.080	±0.015	40	
0206080-50-10	6 x 6 x 0.080	±0.015	50	
0206080-60-10	6 x 6 x 0.080	±0.015	60	
0206080-70-10	6 x 6 x 0.080	±0.015	70	
0266025-30-10	6 x 6 x 0.25	±0.025	30	
0266025-40-10	6 x 6 x 0.25	±0.025	40	
0266025-50-10	6 x 6 x 0.25	±0.025	50	
0266025-60-10	6 x 6 x 0.25	±0.025	60	
0266025-70-10	6 x 6 x 0.25	±0.025	70	
0266050-30-10	6 x 6 x 0.50	±0.035	30	
0266050-40-10	6 x 6 x 0.50	±0.035	40	
0266050-50-10	6 x 6 x 0.50	±0.035	50	
0266050-60-10	6 x 6 x 0.50	±0.035	60	
0266050-70-10	6 x 6 x 0.50	±0.035	70	
0266075-30-10	6 x 6 x 0.75	±0.040	30	
0266075-40-10	6 x 6 x 0.75	±0.040	40	
0266075-50-10	6 x 6 x 0.75	±0.040	50	
0266075-60-10	6 x 6 x 0.75	±0.040	60	
0266075-70-10	6 x 6 x 0.75	±0.040	70	
0266100-30-10	6 x 6 x 1.00	±0.060	30	
0266100-40-10	6 x 6 x 1.00	±0.060	40	
0266100-50-10	6 x 6 x 1.00	±0.060	50	
0266100-60-10	6 x 6 x 1.00	±0.060	60	
0266100-70-10	6 x 6 x 1.00	±0.060	70	

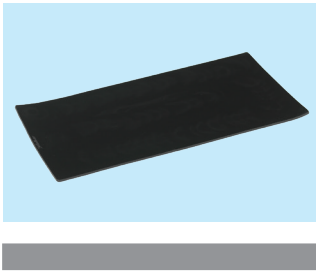
SHEET STOCK

7" x 7"



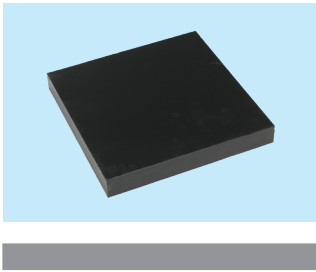
PART NUMBER	DIMENSIONS	THICKNESS TOLERANCE	DURO +/- 5	NOTES
0208047-40-10	7 x 7 x 0.040	±0.007	40	
0208047-50-10	7 x 7 x 0.040	±0.007	50	
0208047-60-10	7 x 7 x 0.040	±0.007	60	
0208047-70-10	7 x 7 x 0.040	±0.007	70	
0277060-40-10	7 x 7 x 0.060	±0.007	40	
0277060-50-10	7 x 7 x 0.060	±0.007	50	
0277060-60-10	7 x 7 x 0.060	±0.007	60	
0277060-70-10	7 x 7 x 0.060	±0.007	70	

SHEET STOCK
6" x 12"



PART NUMBER	DIMENSIONS	THICKNESS TOLERANCE	DURO +/- 5	NOTES
0206109-40-10	6 x 12 x 0.100	±0.015	40	
0206109-50-10	6 x 12 x 0.100	±0.015	50	
0206109-60-10	6 x 12 x 0.100	±0.015	60	
0206109-70-10	6 x 12 x 0.100	±0.015	70	
0206111-40-10	6 x 12 x 0.125	±0.020	40	
0206111-50-10	6 x 12 x 0.125	±0.020	50	
0206111-60-10	6 x 12 x 0.125	±0.020	60	
0206111-70-10	6 x 12 x 0.125	±0.020	70	
0206115-30-10	6 x 12 x 0.156	±0.020	30	
0206115-40-10	6 x 12 x 0.156	±0.020	40	
0206115-50-10	6 x 12 x 0.156	±0.020	50	
0206115-60-10	6 x 12 x 0.156	±0.020	60	
0206115-70-10	6 x 12 x 0.156	±0.020	70	
0206118-30-10	6 x 12 x 0.188	±0.020	30	
0206118-40-10	6 x 12 x 0.188	±0.020	40	
0206118-50-10	6 x 12 x 0.188	±0.020	50	
0206118-60-10	6 x 12 x 0.188	±0.020	60	
0206118-70-10	6 x 12 x 0.188	±0.020	70	
0206125-30-10	6 x 12 x 0.250	±0.025	30	
0206125-40-10	6 x 12 x 0.250	±0.025	40	
0206125-50-10	6 x 12 x 0.250	±0.025	50	
0206125-60-10	6 x 12 x 0.250	±0.025	60	
0206125-70-10	6 x 12 x 0.250	±0.025	70	

SHEET STOCK
12" x 12"

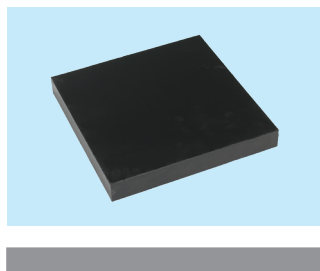


PART NUMBER	DIMENSIONS	THICKNESS TOLERANCE	DURO +/- 5	NOTES
0212010-40-10	12 x 12 x 0.100	±0.015	40	
0212010-50-10	12 x 12 x 0.100	±0.015	50	
0212010-60-10	12 x 12 x 0.100	±0.015	60	
0212010-70-10	12 x 12 x 0.100	±0.015	70	
0212012-40-10	12 x 12 x 0.125	±0.020	40	
0212012-50-10	12 x 12 x 0.125	±0.020	50	
0212012-60-10	12 x 12 x 0.125	±0.020	60	
0212012-70-10	12 x 12 x 0.125	±0.020	70	

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SHEET STOCK

12" x 12"

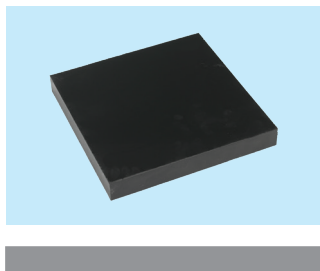


PART NUMBER	DIMENSIONS	THICKNESS TOLERANCE	DURO +/- 5	NOTES
0212018-30-10	12 x 12 x 0.188	±0.020	30	
0212018-40-10	12 x 12 x 0.188	±0.020	40	
0212018-50-10	12 x 12 x 0.188	±0.020	50	
0212018-60-10	12 x 12 x 0.188	±0.020	60	
0212018-70-10	12 x 12 x 0.188	±0.020	70	
0212025-30-10	12 x 12 x 0.250	±0.025	30	
0212025-40-10	12 x 12 x 0.250	±0.025	40	
0212025-50-10	12 x 12 x 0.250	±0.025	50	
0212025-60-10	12 x 12 x 0.250	±0.025	60	
0212025-70-10	12 x 12 x 0.250	±0.025	70	
0212031-30-10	12 x 12 x 0.312	±0.025	30	
0212031-40-10	12 x 12 x 0.312	±0.025	40	
0212031-50-10	12 x 12 x 0.312	±0.025	50	
0212031-60-10	12 x 12 x 0.312	±0.025	60	
0212031-70-10	12 x 12 x 0.312	±0.025	70	
0212037-30-10	12 x 12 x 0.375	±0.025	30	
0212037-40-10	12 x 12 x 0.375	±0.025	40	
0212037-50-10	12 x 12 x 0.375	±0.025	50	
0212037-60-10	12 x 12 x 0.375	±0.025	60	
0212037-70-10	12 x 12 x 0.375	±0.025	70	
0212050-30-10	12 x 12 x 0.500	±0.035	30	
0212050-40-10	12 x 12 x 0.500	±0.035	40	
0212050-50-10	12 x 12 x 0.500	±0.035	50	
0212050-60-10	12 x 12 x 0.500	±0.035	60	
0212050-70-10	12 x 12 x 0.500	±0.035	70	
0212062-30-10	12 x 12 x 0.625	±0.035	30	
0212062-40-10	12 x 12 x 0.625	±0.035	40	
0212062-50-10	12 x 12 x 0.625	±0.035	50	
0212062-60-10	12 x 12 x 0.625	±0.035	60	
0212062-70-10	12 x 12 x 0.625	±0.035	70	
0212075-30-10	12 x 12 x 0.750	±0.040	30	
0212075-40-10	12 x 12 x 0.750	±0.040	40	
0212075-50-10	12 x 12 x 0.750	±0.040	50	
0212075-60-10	12 x 12 x 0.750	±0.040	60	
0212075-70-10	12 x 12 x 0.750	±0.040	70	
0212100-30-10	12 x 12 x 1.00	±0.060	30	
0212100-40-10	12 x 12 x 1.00	±0.060	40	
0212100-50-10	12 x 12 x 1.00	±0.060	50	
0212100-60-10	12 x 12 x 1.00	±0.060	60	
0212100-70-10	12 x 12 x 1.00	±0.060	70	

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SHEET STOCK

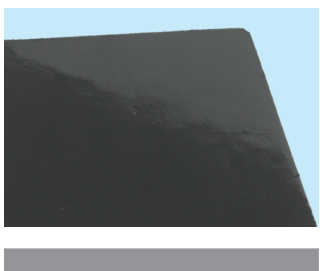
12" x 12" *continued*



PART NUMBER	DIMENSIONS	THICKNESS TOLERANCE	DURO +/- 5	NOTES
0212150-30-10	12 x 12 x 1.50	±0.075	30	
0212150-40-10	12 x 12 x 1.50	±0.075	40	
0212150-50-10	12 x 12 x 1.50	±0.075	50	
0212150-60-10	12 x 12 x 1.50	±0.075	60	
0212150-70-10	12 x 12 x 1.50	±0.075	70	
0212200-30-10	12 x 12 x 2.00	±0.080	30	
0212200-40-10	12 x 12 x 2.00	±0.080	40	
0212200-50-10	12 x 12 x 2.00	±0.080	50	
0212200-60-10	12 x 12 x 2.00	±0.080	60	
0212200-70-10	12 x 12 x 2.00	±0.080	70	

SHEET STOCK

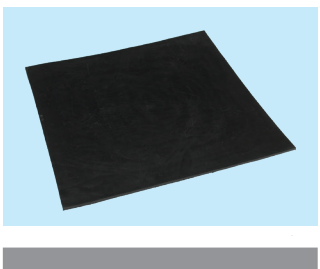
13" x 15"



PART NUMBER	DIMENSIONS	THICKNESS TOLERANCE	DURO +/- 5	NOTES
0215012-40-10	13 x 15 x 0.125	±0.020	40	NEW
0215012-50-10	13 x 15 x 0.125	±0.020	50	NEW
0215012-60-10	13 x 15 x 0.125	±0.020	60	NEW
0215012-70-10	13 x 15 x 0.125	±0.020	70	NEW
0215018-40-10	13 x 15 x 0.188	±0.025	40	NEW
0215018-50-10	13 x 15 x 0.188	±0.025	50	NEW
0215018-60-10	13 x 15 x 0.188	±0.025	60	NEW
0215018-70-10	13 x 15 x 0.188	±0.025	70	NEW
0215025-30-10	13 x 15 x 0.250	±0.030	30	NEW
0215025-40-10	13 x 15 x 0.250	±0.030	40	NEW
0215025-50-10	13 x 15 x 0.250	±0.030	50	NEW
0215025-60-10	13 x 15 x 0.250	±0.030	60	NEW
0215025-70-10	13 x 15 x 0.250	±0.030	70	NEW

SHEET STOCK

24" x 24"

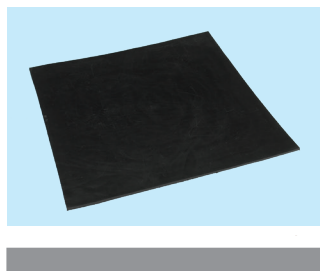


PART NUMBER	DIMENSIONS	THICKNESS TOLERANCE	DURO +/- 5	NOTES
0224010-40-10	24 x 24 x 0.100	±0.015	40	
0224010-50-10	24 x 24 x 0.100	±0.015	50	
0224010-60-10	24 x 24 x 0.100	±0.015	60	
0224010-70-10	24 x 24 x 0.100	±0.015	70	
0224012-40-10	24 x 24 x 0.125	±0.025	40	
0224012-50-10	24 x 24 x 0.125	±0.025	50	
0224012-60-10	24 x 24 x 0.125	±0.025	60	
0224012-70-10	24 x 24 x 0.125	±0.025	70	
0224018-40-10	24 x 24 x 0.188	±0.030	40	
0224018-50-10	24 x 24 x 0.188	±0.030	50	
0224018-60-10	24 x 24 x 0.188	±0.030	60	
0224018-70-10	24 x 24 x 0.188	±0.030	70	

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SHEET STOCK

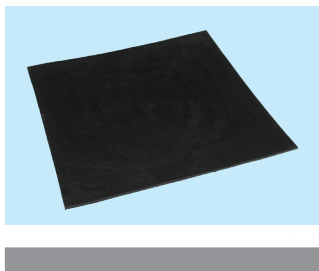
24" x 24" *continued*



PART NUMBER	DIMENSIONS	THICKNESS TOLERANCE	DURO +/- 5	NOTES
0224025-30-10	24 x 24 x 0.250	±0.040	30	
0224025-40-10	24 x 24 x 0.250	±0.040	40	
0224025-50-10	24 x 24 x 0.250	±0.040	50	
0224025-60-10	24 x 24 x 0.250	±0.040	60	
0224025-70-10	24 x 24 x 0.250	±0.040	70	
0224037-30-10	24 x 24 x 0.375	±0.040	30	
0224037-40-10	24 x 24 x 0.375	±0.040	40	
0224037-50-10	24 x 24 x 0.375	±0.040	50	
0224037-60-10	24 x 24 x 0.375	±0.040	60	
0224037-70-10	24 x 24 x 0.375	±0.040	70	
0224050-30-10	24 x 24 x 0.500	±0.045	30	
0224050-40-10	24 x 24 x 0.500	±0.045	40	
0224050-50-10	24 x 24 x 0.500	±0.045	50	
0224050-60-10	24 x 24 x 0.500	±0.045	60	
0224050-70-10	24 x 24 x 0.500	±0.045	70	
0224062-30-10	24 x 24 x 0.625	±0.060	30	
0224062-40-10	24 x 24 x 0.625	±0.060	40	
0224062-50-10	24 x 24 x 0.625	±0.060	50	
0224062-60-10	24 x 24 x 0.625	±0.060	60	
0224062-70-10	24 x 24 x 0.625	±0.060	70	
0224075-30-10	24 x 24 x 0.750	±0.060	30	
0224075-40-10	24 x 24 x 0.750	±0.060	40	
0224075-50-10	24 x 24 x 0.750	±0.060	50	
0224075-60-10	24 x 24 x 0.750	±0.060	60	
0224075-70-10	24 x 24 x 0.750	±0.060	70	
0224100-30-10	24 x 24 x 1.00	±0.070	30	
0224100-40-10	24 x 24 x 1.00	±0.070	40	
0224100-50-10	24 x 24 x 1.00	±0.070	50	
0224100-60-10	24 x 24 x 1.00	±0.070	60	
0224100-70-10	24 x 24 x 1.00	±0.070	70	
0224150-30-10	24 x 24 x 1.50	±0.075	30	
0224150-40-10	24 x 24 x 1.50	±0.075	40	
0224150-50-10	24 x 24 x 1.50	±0.075	50	
0224150-60-10	24 x 24 x 1.50	±0.075	60	
0224150-70-10	24 x 24 x 1.50	±0.075	70	

SHEET STOCK

25" x 25"

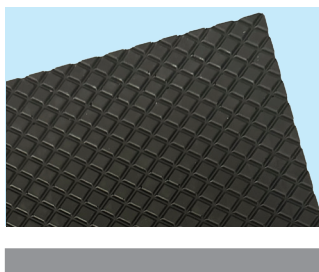


PART NUMBER	DIMENSIONS	THICKNESS TOLERANCE	DURO +/- 5	NOTES
0225012-40-10	25 x 25 x 0.125	±0.025	40	
0225012-50-10	25 x 25 x 0.125	±0.025	50	
0225012-60-10	25 x 25 x 0.125	±0.025	60	
0225012-70-10	25 x 25 x 0.125	±0.025	70	
0225018-40-10	25 x 25 x 0.188	±0.030	40	
0225018-50-10	25 x 25 x 0.188	±0.030	50	
0225018-60-10	25 x 25 x 0.188	±0.030	60	
0225018-70-10	25 x 25 x 0.188	±0.030	70	
0225025-30-10	25 x 25 x 0.250	±0.040	30	
0225025-40-10	25 x 25 x 0.250	±0.040	40	
0225025-50-10	25 x 25 x 0.250	±0.040	50	
0225025-60-10	25 x 25 x 0.250	±0.040	60	
0225025-70-10	25 x 25 x 0.250	±0.040	70	
0225037-30-10	25 x 25 x 0.375	±0.040	30	
0225037-40-10	25 x 25 x 0.375	±0.040	40	
0225037-50-10	25 x 25 x 0.375	±0.040	50	
0225037-60-10	25 x 25 x 0.375	±0.040	60	
0225037-70-10	25 x 25 x 0.375	±0.040	70	
0225050-30-10	25 x 25 x 0.500	±0.045	30	
0225050-40-10	25 x 25 x 0.500	±0.045	40	
0225050-50-10	25 x 25 x 0.500	±0.045	50	
0225050-60-10	25 x 25 x 0.500	±0.045	60	
0225050-70-10	25 x 25 x 0.500	±0.045	70	

SHEET STOCK

Diamond Pattern

13" x 15"



PART NUMBER	DIMENSIONS	THICKNESS TOLERANCE	DURO +/- 5	NOTES
0213012-40-10	13 x 15 x 0.125	±0.020	40	
0213012-50-10	13 x 15 x 0.125	±0.020	50	
0213012-60-10	13 x 15 x 0.125	±0.020	60	
0213012-70-10	13 x 15 x 0.125	±0.020	70	
0213012-80-10	13 x 15 x 0.125	±0.020	80	
0213018-40-10	13 x 15 x 0.188	±0.025	40	
0213018-50-10	13 x 15 x 0.188	±0.025	50	
0213018-60-10	13 x 15 x 0.188	±0.025	60	
0213018-70-10	13 x 15 x 0.188	±0.025	70	
0213018-80-10	13 x 15 x 0.188	±0.025	80	
0213025-40-10	13 x 15 x 0.250	±0.030	40	
0213025-50-10	13 x 15 x 0.250	±0.030	50	
0213025-60-10	13 x 15 x 0.250	±0.030	60	
0213025-70-10	13 x 15 x 0.250	±0.030	70	
0213025-80-10	13 x 15 x 0.250	±0.030	80	