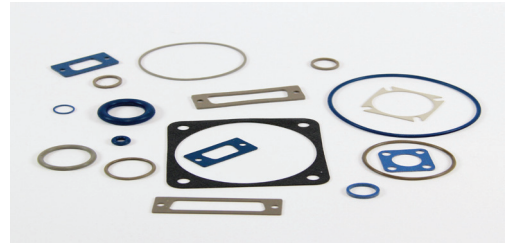


Sheet Stock and Fabricated Parts



SHEET STOCK

Parker Chomerics military and commercial-grade elastomer material is available in sheet form. We are able to meet most design requirements with the standard sizes and thicknesses shown in Table 2.

PRESSURE SENSITIVE ADHESIVE (PSA) BACKING

All standard silicone and fluorosilicone sheets of .020 inch (0.51 mm) thickness or greater are available with a thin, acrylic, electrically conductive, pressure sensitive adhesive (PSA) backing. Fluorocarbon and EPDM sheet stock are not available with PSA. While published electrical performance specifications of the conductive elastomer materials are for materials without PSA backing, there is no appreciable effect on the gasket through flange resistance or shielding effectiveness with use of PSA. Use of PSA as an attachment method for elastomer materials is meant to aid in initial assembly operations vs. a long term means of permanent attachment. Shelf life of the sheet stock with PSA is one year from date of manufacture. Sheet stock without adhesive has an indefinite shelf life.

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CUSTOM DIE-CUT PARTS

Custom parts can be die-cut by Parker Chomerics (and our Authorized Fabricators) from any standard sheet stock. Please provide a sketch or drawing to Parker Chomerics Applications Engineering. It will be reviewed for appropriate design criteria, such as wall thickness and feature size and location. Parker Chomerics will assign a custom part number for custom die-cut parts. The custom part number will be

19-11-ZZZZZ-XXXXX

where ZZZZZ is a sequential manufacturing drawing number (assigned by Parker Chomerics), and XXXXX is the material designation (1285, L6303, etc.).

GENERAL TOLERANCES

Table 1 provides general tolerances for flat die-cut conductive elastomer gaskets. It is important to note that all flat die-cut and molded gaskets are subject to variation in the unrestrained condition. The use of inspection fixtures to verify conformance of finished parts is common and recommended where appropriate. Also note that "Overall Dimensions" for flat die-cut gaskets include any feature-to-feature dimensions (e.g., edge-to-edge, edge-to-hole, hole-to-hole).

STANDARD SHEET SIZE ORDERING PROCEDURE

Select the part number from Table 2. The last four or five digits designate the material type. For "TA" in the part number, select the desired thickness ("T" code) and adhesive option ("A" code). For custom sizes or thicknesses, part numbers will be assigned by Parker Chomerics.

Standard Sheet Stock - Product Information

Table 2

STANDARD SHEET STOCK SIZE							
AVAILABILITY BY THICKNESS, inches (mm)							
Part Number*	Sheet Size Inches (cm)	0.020 ±0.004 (0.51 ±0.10)	0.032 ±0.005 (0.81 ±0.13)	0.045 ±0.006 (1.14 ±0.15)	0.062 ±0.007 (1.57±0.18)	0.093 ±0.010 (2.36 ±0.25)	0.125 ±0.010 (3.18 ±0.25)
40-TA-1010-1212	10 x 10 (25.4 x 25.4)	✓	✓	✓	✓	✓	✓
40-TA-1015-1212	10 x 15 (25.4 x 38.1)	✓	✓	✓	✓	✓	✓
40-TA-1020-1212	10 x 20 (25.4 x 50.8)	✓	✓	✓	✓	✓	✓
40-TA-2020-1212	20 x 20 (50.8 x 50.8)	NA	✓	✓	✓	✓	✓
40-TA-1010-1215	10 x 10 (25.4 x 25.4)	✓	✓	✓	✓	✓	✓
40-TA-1015-1215	10 x 15 (25.4 x 38.1)	✓	✓	✓	✓	✓	✓
40-TA-1020-1215	10 x 20 (25.4 x 50.8)	✓	✓	✓	✓	✓	✓
40-TA-2020-1215	20 x 20 (50.8 x 50.8)	NA	✓	✓	✓	✓	✓
40-TA-1010-1217	10 x 10 (25.4 x 25.4)	✓	✓	✓	✓	✓	✓
40-TA-1015-1217	10 x 15 (25.4 x 38.1)	✓	✓	✓	✓	✓	✓
40-TA-1020-1217	10 x 20 (25.4 x 50.8)	✓	✓	✓	✓	✓	✓
40-TA-2020-1217	20 x 20 (50.8 x 50.8)	NA	✓	✓	✓	✓	✓
40-TA-1010-1221	10 x 10 (25.4 x 25.4)	✓	✓	✓	✓	✓	✓
40-TA-1015-1221	10 x 15 (25.4 x 38.1)	✓	✓	✓	✓	✓	✓
40-TA-1020-1221	10 x 20 (25.4 x 50.8)	✓	✓	✓	✓	✓	✓
40-TA-2020-1221	20 x 20 (50.8 x 50.8)	NA	✓	✓	✓	✓	✓
40-TA-1010-1224	10 x 10 (25.4 x 25.4)	✓	✓	✓	✓	✓	✓
40-TA-1015-1224	10 x 15 (25.4 x 38.1)	✓	✓	✓	✓	✓	✓
40-TA-1020-1224	10 x 20 (25.4 x 50.8)	✓	✓	✓	✓	✓	✓
40-TA-2020-1224	20 x 20 (50.8 x 50.8)	NA	✓	✓	✓	✓	✓
40-TA-1010-1270	10 x 10 (25.4 x 25.4)	✓	✓	✓	✓	✓	✓
40-TA-1020-1270	10 x 20 (25.4 x 50.8)	✓	✓	✓	✓	✓	✓
40-TA-2020-1270	20 x 20 (50.8 x 50.8)	NA	✓	✓	✓	✓	✓
40-TA-1010-1273	10 x 10 (25.4 x 25.4)	✓	✓	✓	✓	✓	✓
40-TA-1015-1273	10 x 15 (25.4 x 38.1)	✓	✓	✓	✓	✓	✓
40-TA-1020-1273	10 x 20 (25.4 x 50.8)	✓	✓	✓	✓	✓	✓
40-TA-2020-1273	20 x 20 (50.8 x 50.8)	NA	✓	✓	✓	✓	✓
40-TA-1010-1285	10 x 10 (25.4 x 25.4)	✓	✓	✓	✓	✓	✓
40-TA-1015-1285	10 x 15 (25.4 x 38.1)	✓	✓	✓	✓	✓	✓
40-TA-1020-1285	10 x 20 (25.4 x 50.8)	✓	✓	✓	✓	✓	✓
40-TA-2020-1285	20 x 20 (50.8 x 50.8)	NA	✓	✓	✓	✓	✓
40-TA-1010-1287	10 x 10 (25.4 x 25.4)	✓	✓	✓	✓	✓	✓
40-TA-1015-1287	10 x 15 (25.4 x 38.1)	✓	✓	✓	✓	✓	✓
40-TA-1020-1287	10 x 20 (25.4 x 50.8)	✓	✓	✓	✓	✓	✓
40-TA-2020-1287	20 x 20 (50.8 x 50.8)	NA	✓	✓	✓	✓	✓
40-TA-1010-1298	10 x 10 (25.4 x 25.4)	✓	✓	✓	✓	✓	✓
40-TA-1015-1298	10 x 15 (25.4 x 38.1)	✓	✓	✓	✓	✓	✓
40-TA-1020-1298	10 x 20 (25.4 x 50.8)	✓	✓	✓	✓	✓	✓
40-TA-2020-1298	20 x 20 (50.8 x 50.8)	NA	✓	✓	✓	✓	✓

Standard Sheet Stock - Product Information

Table 2 continued

STANDARD SHEET STOCK SIZE							
AVAILABILITY BY THICKNESS, inches (mm)							
Part Number*	Sheet Size Inches (cm)	0.020 ±0.004 (0.51 ±0.10)	0.032 ±0.005 (0.81 ±0.13)	0.045 ±0.006 (1.14 ±0.15)	0.062 ±0.007 (1.57±0.18)	0.093 ±0.010 (2.36 ±0.25)	0.125 ±0.010 (3.18 ±0.25)
40-TA-1010-1310	10 x 10 (25.4 x 25.4)	✓	✓	✓	✓	✓	✓
40-TA-1015-1310	10 x 15 (25.4 x 38.1)	✓	✓	✓	✓	✓	✓
40-TA-1020-1310	10 x 20 (25.4 x 50.8)	✓	✓	✓	✓	✓	✓
40-TA-2020-1310	20 x 20 (50.8 x 50.8)	NA	✓	✓	✓	✓	✓
40-TA-1010-1350	10 x 10 (25.4 x 25.4)	✓	✓	✓	✓	✓	✓
40-TA-1015-1350	10 x 15 (25.4 x 38.1)	✓	✓	✓	✓	✓	✓
40-TA-1020-1350	10 x 20 (25.4 x 50.8)	✓	✓	✓	✓	✓	✓
40-TA-2020-1350	20 x 20 (50.8 x 50.8)	NA	✓	✓	✓	✓	✓
40-TA-1010-1401	10 x 10 (25.4 x 25.4)	NA	✓	✓	✓	✓	✓
40-TA-1015-1401	10 x 15 (25.4 x 38.1)	NA	✓	✓	✓	✓	✓
40-TA-1020-1401	10 x 20 (25.4 x 50.8)	NA	✓	✓	✓	✓	✓
40-TA-2020-1401	20 x 20 (50.8 x 50.8)	NA	✓	✓	✓	✓	✓
40-T0-1010-6307	10 x 10 (25.4 x 25.4)	NA	✓	✓	✓	✓	✓
40-T0-1015-6307	10 x 15 (25.4 x 38.1)	NA	✓	✓	✓	✓	✓
40-T0-1020-6307	10 x 20 (25.4 x 50.8)	NA	✓	✓	✓	✓	✓
40-TA-1010-6330	10 x 10 (25.4 x 25.4)	NA	✓	✓	✓	✓	✓
40-TA-1015-6330	10 x 15 (25.4 x 38.1)	NA	✓	✓	✓	✓	✓
40-TA-1020-6330	10 x 20 (25.4 x 50.8)	NA	✓	✓	✓	✓	✓
40-TA-1010-6371	10 x 10 (25.4 x 25.4)	✓	✓	✓	✓	✓	✓
40-TA-1015-6371	10 x 15 (25.4 x 38.1)	✓	✓	✓	✓	✓	✓
40-TA-1020-6371	10 x 20 (25.4 x 50.8)	✓	✓	✓	✓	✓	✓
40-TA-2020-6371	20 x 20 (50.8 x 50.8)	NA	✓	✓	✓	✓	✓
40-T0-1010-6435	10 x 10 (25.4 x 25.4)	NA	✓	✓	✓	✓	✓
40-T0-1015-6435	10 x 15 (25.4 x 38.1)	NA	✓	✓	✓	✓	✓
40-T0-1020-6435	10 x 20 (25.4 x 50.8)	NA	✓	✓	✓	✓	✓
40-TA-1010-6460	10 x 10 (25.4 x 25.4)	NA	✓	✓	✓	✓	✓
40-TA-1015-6460	10 x 15 (25.4 x 38.1)	NA	✓	✓	✓	✓	✓
40-TA-1020-6460	10 x 20 (25.4 x 50.8)	NA	✓	✓	✓	✓	✓
40-TA-2020-6460	20 x 20 (50.8 x 50.8)	NA	✓	✓	✓	✓	✓
40-TA-1010-6502	10 x 10 (25.4 x 25.4)	✓	✓	✓	✓	✓	✓
40-TA-1015-6502	10 x 15 (25.4 x 38.1)	✓	✓	✓	✓	✓	✓
40-TA-1020-6502	10 x 20 (25.4 x 50.8)	✓	✓	✓	✓	✓	✓
40-TA-2020-6502	20 x 20 (50.8 x 50.8)	NA	✓	✓	✓	✓	✓
40-TA-1010-6503	10 x 10 (25.4 x 25.4)	✓	✓	✓	✓	✓	✓
40-TA-1015-6503	10 x 15 (25.4 x 38.1)	✓	✓	✓	✓	✓	✓
40-TA-1020-6503	10 x 20 (25.4 x 50.8)	✓	✓	✓	✓	✓	✓
40-TA-2020-6503	20 x 20 (50.8 x 50.8)	NA	✓	✓	✓	✓	✓

Standard Sheet Stock - Product Information

Table 2 continued

STANDARD SHEET STOCK SIZE							
AVAILABILITY BY THICKNESS, inches (mm)							
Part Number*	Sheet Size Inches (cm)	0.020 ±0.004 (0.51 ±0.10)	0.032 ±0.005 (0.81 ±0.13)	0.045 ±0.006 (1.14 ±0.15)	0.062 ±0.007 (1.57±0.18)	0.093 ±0.010 (2.36 ±0.25)	0.125 ±0.010 (3.18 ±0.25)
40-TA-1010-L6303	10 x 10 (25.4 x 25.4)	✓	✓	✓	✓	✓	✓
40-TA-1015-L6303	10 x 15 (25.4 x 38.1)	✓	✓	✓	✓	✓	✓
40-TA-1020-L6303	10 x 20 (25.4 x 50.8)	✓	✓	✓	✓	✓	✓
40-TA-2020-L6303	10 x 10 (25.4 x 25.4)	NA	✓	✓	✓	✓	✓
40-TA-1010-S6305	10 x 10 (25.4 x 25.4)	✓	✓	✓	✓	✓	✓
40-TA-1015-S6305	10 x 15 (25.4 x 38.1)	✓	✓	✓	✓	✓	✓
40-TA-1020-S6305	10 x 20 (25.4 x 50.8)	✓	✓	✓	✓	✓	✓
40-TA-2020-S6305	20 x 20 (50.8 x 50.8)	NA	✓	✓	✓	✓	✓
40-T0-1010-V6433	10 x 10 (25.4 x 25.4)	✓	✓	✓	✓	✓	✓
40-T0-1015-V6433	10 x 15 (25.4 x 38.1)	✓	✓	✓	✓	✓	✓
40-T0-1020-V6433	10 x 20 (25.4 x 50.8)	✓	✓	✓	✓	✓	✓

Flat Die-Cut Gaskets inches (mm)	Tolerance inches (mm)
Overall Dimensions	
≤10 (254)	±0.010 (0.25)
>10 to ≤15 (254 to 381)	±0.020 (0.51)
>15 (381)	±0.20% nom. dim.
Thickness	
0.020 (0.51)	±0.004 (0.10)
0.032 (0.81)	±0.005 (0.13)
0.045 (1.14)	±0.006 (0.15)
0.062 (1.57)	±0.007 (0.18)
0.093 (2.36)	±0.010 (0.25)
0.125 (3.18)	±0.010 (0.25)
>0.125 (3.18)	Contact Parker Chomerics Applications Engineering
Hole Diameter ±0.010 (0.25)	

✓ Available NA Not Available *TA refers to thickness and adhesive options.
 For sizes other than those shown, change 5th through 8th digits in Part Number to reflect desired up to max size (e.g., 0415 is a 4 in. x 15 in. size).

THICKNESS, inch (mm)

- 1 0.020 (0.51)
- 2 0.032 (0.81)
- 3 0.062 (1.57)
- 4 0.093 (2.36)
- 5 0.125 (3.18)
- 6 0.045 (1.14)



ADHESIVE (PSA)

- 0 No Adhesive
 - 1 with Electrically Conductive Adhesive Backing
- Note:** Chomerics materials 6307, 6435 and V6433 are not available with adhesive

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ENGINEERING YOUR SUCCESS.