

O-Ring Reference



| Size* | Dimensions | | Pkg. Qty. | Viton® Order Code | Silicone Order Code | Buna-N Order Code | FETFE® Order Code | EPDM Order Code | Pkg. Qty. | Chemraz® Order Code | Kalrez® Order Code | CAPFE™ Order Code |
|----------------------------------|------------|------|-----------|-------------------|---------------------|-------------------|-------------------|-----------------|-----------|---------------------|--------------------|-------------------|
| | I.D.,mm | W. | | | | | | | | | | |
| -006 | 2.9 | 1.78 | 12 | 7855-01 | 7855-201 | 7855-401 | 7855-701 | — | 1 | 7859-501 | 7855-601 | — |
| -007 | 3.7 | 1.78 | 12 | 7855-02 | 7855-202 | 7855-402 | 7855-702 | — | 1 | 7859-502 | 7855-602 | — |
| -008 | 4.5 | 1.78 | 12 | 7855-04 | 7855-204 | 7855-404 | 7855-704 | 7855-904 | 1 | 7859-504 | 7855-604 | — |
| -009 | 5.3 | 1.78 | 12 | 7855-07 | 7855-207 | 7855-407 | 7855-707 | — | 1 | 7859-507 | 7855-607 | — |
| -010 | 6.1 | 1.78 | 12 | 7855-05 | 7855-205 | 7855-405 | 7855-705 | — | 1 | 7859-505 | 7855-605 | 7855-805 |
| -011 | 7.7 | 1.78 | 12 | 7855-06 | 7855-206 | 7855-406 | 7855-706 | 7855-906 | 1 | 7859-506 | 7855-606 | 7855-806 |
| -012 | 9.2 | 1.78 | 12 | 7855-08 | 7855-208 | 7855-408 | 7855-708 | 7855-908 | 1 | 7859-508 | 7855-608 | 7855-808 |
| -013 | 10.8 | 1.78 | 12 | 7855-10 | 7855-210 | 7855-410 | 7855-710 | 7855-910 | 1 | 7859-510 | 7855-610 | 7855-810 |
| -014 | 12.4 | 1.78 | 12 | 7855-12 | 7855-212 | 7855-412 | 7855-712 | 7855-912 | 1 | 7859-512 | 7855-612 | — |
| -015 | 14.0 | 1.78 | 12 | 7855-13 | 7855-213 | 7855-413 | 7855-713 | — | 1 | 7859-513 | 7855-613 | 7855-813 |
| -016 | 15.6 | 1.78 | 12 | 7855-14 | 7855-214 | 7855-414 | 7855-714 | 7855-914 | 1 | 7859-514 | 7855-614 | — |
| -018 | 18.8 | 1.78 | 12 | 7855-15 | 7855-215 | 7855-415 | 7855-715 | — | 1 | 7859-515 | 7855-615 | 7855-815 |
| -021 | 23.5 | 1.78 | 12 | 7855-19 | 7855-219 | 7855-419 | 7855-719 | — | 1 | 7859-519 | 7855-619 | 7855-819 |
| -022 | 25.1 | 1.78 | 12 | 7855-17 | 7855-217 | 7855-417 | 7855-717 | — | 1 | 7859-517 | 7855-617 | 7855-817 |
| -105 | 3.6 | 2.6 | 12 | 7855-03 | 7855-203 | 7855-403 | 7855-703 | — | 1 | 7859-503 | 7855-650 | — |
| -107 | 5.2 | 2.6 | 12 | 7855-09 | 7855-209 | 7855-409 | 7855-709 | — | — | — | — | — |
| -108 | 6.0 | 2.6 | 12 | 7855-11 | 7855-211 | 7855-411 | 7855-711 | — | 1 | 7859-511 | 7855-653 | — |
| -110 | 9.2 | 2.6 | 12 | 7855-16 | 7855-216 | 7855-416 | 7855-716 | 7855-916 | 1 | 7859-516 | 7855-616 | 7855-816 |
| -111 | 10.8 | 2.6 | 12 | 7855-18 | 7855-218 | 7855-418 | 7855-718 | — | 1 | 7859-518 | 7855-618 | 7855-818 |
| -112 | 12.4 | 2.6 | 12 | 7855-20 | 7855-220 | 7855-420 | 7855-720 | — | 1 | 7859-520 | 7855-620 | 7855-820 |
| -113 | 13.9 | 2.6 | 12 | 7855-21 | 7855-221 | 7855-421 | 7855-721 | — | 1 | 7859-521 | 7855-621 | 7855-821 |
| -114 | 15.5 | 2.6 | 12 | 7855-22 | 7855-222 | 7855-422 | 7855-722 | 7855-922 | 1 | 7859-522 | 7855-622 | 7855-822 |
| -115 | 17.1 | 2.6 | 12 | 7855-24 | 7855-224 | 7855-424 | 7855-724 | — | 1 | 7859-524 | 7855-623 | 7855-824 |
| -116 | 18.7 | 2.6 | 12 | 7855-26 | 7855-226 | 7855-426 | 7855-726 | 7855-926 | 1 | 7859-526 | 7855-626 | 7855-826 |
| -118 | 21.9 | 2.6 | 12 | 7855-70 | 7855-270 | 7855-470 | 7855-770 | — | 1 | 7859-570 | 7855-655 | 7855-870 |
| -121 | 26.6 | 2.6 | 12 | 7855-27 | 7855-227 | 7855-427 | 7855-727 | 7855-927 | 1 | 7859-527 | 7855-627 | 7855-827 |
| -122 | 28.2 | 2.6 | 6 | 7855-71 | 7855-271 | 7855-471 | 7855-771 | — | 1 | 7859-571 | 7855-657 | 7855-871 |
| -123 | 29.8 | 2.6 | 6 | 7855-28 | 7855-228 | 7855-428 | 7855-728 | 7855-928 | 1 | 7859-528 | 7855-658 | 7855-828 |
| -125 | 33.0 | 2.6 | 6 | 7855-72 | 7855-272 | 7855-472 | 7855-772 | — | 1 | 7859-572 | 7855-659 | 7855-872 |
| -127 | 36.2 | 2.6 | 6 | 7855-76 | 7855-276 | 7855-476 | 7855-776 | — | 1 | 7859-576 | 7855-670 | 7855-876 |
| -128 | 37.8 | 2.6 | 6 | 7855-73 | 7855-273 | 7855-473 | 7855-773 | — | 1 | 7859-573 | 7855-671 | 7855-873 |
| -136 | 50.5 | 2.6 | 6 | 7855-29 | 7855-229 | 7855-429 | 7855-729 | 7855-929 | 1 | 7859-529 | 7855-629 | 7855-829 |
| -210 | 18.6 | 3.5 | 6 | 7855-30 | 7855-230 | 7855-430 | 7855-730 | 7855-930 | 1 | 7859-530 | 7855-630 | 7855-830 |
| -211 | 20.2 | 3.5 | 6 | 7855-32 | 7855-232 | 7855-432 | 7855-732 | 7855-932 | 1 | 7859-532 | 7855-632 | 7855-832 |
| -212 | 21.8 | 3.5 | 6 | 7855-34 | 7855-234 | 7855-434 | 7855-734 | 7855-934 | 1 | 7859-534 | 7855-634 | 7855-834 |
| -213 | 23.4 | 3.5 | 6 | 7855-36 | 7855-236 | 7855-436 | 7855-736 | — | 1 | 7859-536 | 7855-675 | 7855-836 |
| -214 | 25.0 | 3.5 | 6 | 7855-38 | 7855-238 | 7855-438 | 7855-738 | 7855-938 | 1 | 7859-538 | 7855-676 | 7855-838 |
| -215 | 26.6 | 3.5 | 6 | 7855-37 | — | 7855-437 | — | — | — | — | — | — |
| -216 | 28.2 | 3.5 | 6 | 7855-39 | 7855-239 | 7855-439 | 7855-739 | 7855-939 | 1 | 7859-539 | 7855-677 | — |
| -217 | 29.7 | 3.5 | 6 | 7855-40 | 7855-240 | 7855-440 | 7855-740 | — | 1 | 7859-540 | 7855-640 | 7855-840 |
| -218 | 31.3 | 3.5 | 6 | 7855-41 | — | 7855-441 | — | — | — | — | — | — |
| -219 | 32.9 | 3.5 | 6 | 7855-43 | — | 7855-443 | — | — | — | — | — | — |
| -220 | 34.5 | 3.5 | 6 | 7855-42 | 7855-242 | 7855-442 | 7855-742 | 7855-942 | 1 | 7859-542 | 7855-642 | 7855-842 |
| -221 | 36.1 | 3.5 | 6 | 7855-51 | — | 7855-451 | — | — | — | — | — | — |
| -222 | 37.7 | 3.5 | 6 | 7855-52 | — | 7855-452 | — | — | — | — | — | — |
| -223 | 40.9 | 3.5 | 3 | 7855-74 | 7855-274 | 7855-474 | 7855-774 | — | 1 | 7859-574 | 7855-680 | 7855-874 |
| -225 | 47.2 | 3.5 | 3 | 7855-44 | 7855-244 | 7855-444 | 7855-744 | 7855-944 | 1 | 7859-544 | 7855-644 | 7855-844 |
| -226 | 50.4 | 3.5 | 3 | 7855-46 | 7855-246 | 7855-446 | 7855-746 | 7855-946 | 1 | 7859-546 | 7855-684 | 7855-846 |
| -227 | 53.6 | 3.5 | 3 | 7855-45 | 7855-245 | 7855-445 | 7855-745 | — | 1 | 7859-545 | 7855-685 | 7855-845 |
| -228 | 56.7 | 3.5 | 3 | 7855-47 | 7855-247 | 7855-447 | 7855-747 | — | 1 | 7859-547 | 7588-686 | 7855-847 |
| -229 | 59.9 | 3.5 | 3 | 7855-48 | 7855-248 | 7855-448 | 7855-748 | 7855-948 | 1 | 7859-548 | 7855-648 | 7855-848 |
| -230 | 63.1 | 3.5 | 3 | 7855-75 | 7855-275 | 7855-475 | 7855-775 | 7855-975 | 1 | 7859-575 | 7855-689 | 7855-875 |
| -232 | 69.4 | 3.5 | 3 | — | — | — | — | — | 1 | — | — | 7855-877 |
| -233 | 72.6 | 3.5 | 3 | — | — | — | 7855-778 | — | — | — | — | — |
| -235 | 79.0 | 3.5 | 3 | 7855-64 | 7855-264 | 7855-464 | 7855-764 | — | 1 | — | 7855-687 | 7855-864 |
| -239 | 91.7 | 3.5 | 3 | 7855-69 | — | — | — | — | — | — | — | — |
| -240 | 94.9 | 3.5 | 3 | 7855-78 | — | — | — | — | — | — | — | — |
| -317 | 23.2 | 5.3 | — | — | — | — | — | — | 1 | — | 7855-660 | 7855-860 |
| -325 | 37.5 | 5.3 | 3 | 7855-65 | — | 7855-453 | — | — | — | — | — | — |
| -326 | 40.6 | 5.3 | 3 | 7855-67 | — | 7855-454 | — | — | — | — | — | — |
| -327 | 43.8 | 5.3 | 3 | 7855-68 | 7855-278 | 7855-455 | — | — | 1 | 7859-578 | 7855-690 | — |
| -329 | 50.2 | 5.3 | 3 | — | 7855-283 | — | 7855-783 | — | 1 | — | — | 7855-883 |
| -335 | 69.2 | 5.3 | 3 | — | — | 7855-499 | — | — | — | — | — | — |
| -336 | 72.4 | 5.3 | 3 | 7855-82 | 7855-282 | — | 7855-782 | — | — | — | — | — |
| -338 | 78.7 | 5.3 | 3 | 7855-77 | 7855-277 | — | 7855-777 | — | — | — | — | — |
| -341 | 88.3 | 5.3 | 3 | 7855-50 | 7855-250 | 7855-450 | 7855-750 | — | 1 | 7859-550 | 7855-691 | 7855-850 |
| -343 | 94.6 | 5.3 | 3 | 7855-66 | 7855-266 | — | 7855-766 | — | — | — | — | — |
| -348 | 110.5 | 5.3 | 3 | 7855-79 | — | — | 7855-779 | — | 1 | 7859-579 | 7855-692 | 7855-879 |
| -349 | 113.7 | 5.3 | 3 | — | 7855-287 | — | 7855-787 | — | 1 | — | 7855-693 | 7855-887 |
| -359 | 145.4 | 5.3 | — | — | 7855-289 | — | — | — | 1 | — | 7855-694 | 7855-889 |
| -361 | 151.8 | 5.3 | — | — | — | — | — | — | 1 | — | — | 7855-861 |
| 5-101 | 2.5 | 0.97 | 12 | 7855-80 | — | — | — | — | — | — | — | — |
| 5-193 | 4.5 | 1.0 | 12 | 7855-81 | 7855-281 | — | — | — | — | — | — | — |
| 5-017 | 6.1 | 2.6 | 12 | — | — | 7855-482 | — | — | — | — | — | — |
| — | 75.5 | 4.0 | 1 | 7855-83 | 7855-251 | — | — | — | 1 | — | 7855-695 | 7855-878 |
| — | 110.0 | 5.0 | 1 | 7855-84 | 7855-254 | — | — | — | 1 | — | 7855-696 | 7855-880 |
| — | 150.0 | 5.0 | 1 | 7855-85 | 7855-260 | — | — | — | 1 | — | 7855-697 | 7855-881 |
| — | 215.0 | 5.0 | 1 | — | 7855-288 | — | — | — | 1 | — | 7855-698 | 7855-884 |
| O-Ring Kits — 30 Sizes | | | 500 | 7855-99 | — | 7855-499 | — | — | — | — | — | — |
| O-Ring Sets — one box of 18 sets | | | | — | — | — | 8194-310 | — | — | — | — | — |
| O-Ring Sets — one box of 18 sets | | | | — | — | — | 8194-313 | — | — | — | — | — |
| O-Ring Sets — one box of 12 sets | | | | — | — | — | 8194-315 | — | — | — | — | — |
| O-Ring Sets — one box of 6 sets | | | | — | — | — | 8194-317 | — | — | — | — | — |

*Sizes not listed are available via special order. Call or email for quotation.

Viton®1 A

This class of elastomers is a family comprised of linear co-polymer of vinylidene fluoride and hexafluoropropylene. Fluorine content is between 66 to 70%. Generally black in color, and with generally good temperature and chemical resistance.

Buna-N

Also known as Nitrile rubber, is a synthetic blended rubber, co-polymer of acrylonitrile and butadiene. Generally resistant to fuels and oils. Generally black or brown in color.

CAPFE™

An ACE exclusive o-ring with a resilient rubber core encased in a thick, non-porous FEP/PTFE. Offers both resilience and chemical resistance. Thick PTFE encapsulation permits wide application without leakage or deterioration.

Chemraz®3

A white perfluoroelastomer (FFKM + TFE) compound with high temperature and chemical resistance. Has all the properties and inertness of PTFE. Great for Pharmaceutical or food applications where high purity is a must.

EPDM

This is a type of synthetic rubber of ethylene-propylene also referred to as EPDM; E = ethylene, P = propylene, D = diene and M refers to monomer or M-class rubber, (ASTM D1418). Good soft general seal with wide applications and good compression set. Can be green, brown or black in color.

FETFE®2

An ACE exclusive compound which is a fluoroelastomer (FKM) with PTFE additives serving as an internal lubricant. It has good compression set along with excellent temperature and chemical compatibility. Generally black in color.

Kalrez®1

A perfluoroelastomer (FFKM, 4079) compound with high temperature and chemical resistance. Has all the properties and inertness of PTFE. Great for Pharmaceutical or food applications where high purity is a must. Also excellent in semiconductor applications. Generally black but can be white also. FDA compliant Kalrez® 6230 available upon request.

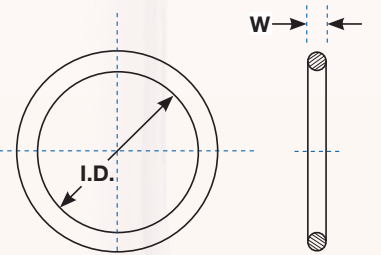
Silicone

Is a "rubber-like" compound of silicone, (itself a polymer) containing silicon with carbon, hydrogen and oxygen. It is non-reactive and stable with good temperature resistance. Generally red in color and has excellent compression set.

¹Registered Trademark of E.I. DuPont & Co.

²Registered Trademark of Ace Glass, Inc.

³Registered Trademark of Green, Tweed & Co.



CHEMICAL COMPATIBILITY CHART

Key: 1=Recommended; 2=Satisfactory; 3=Poor; 4=Marginal; 5=Not Recommended; A=Acceptable; NA=Not Acceptable

| | Viton | Silicone | Buna-N | EPDM | Chemraz 514 | Kalrez 4079 | FETFE | CAPFE |
|----------------------|------------|------------|------------|------------|-------------|-------------|------------|------------|
| Temperature Range °C | -26 to 204 | -62 to 204 | -37 to 121 | -54 to 149 | -30 to 220 | -15 to 316 | -18 to 204 | -60 to 204 |
| Compression set | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| Durometer | 75 | 70 | 70 | 70 | 70 | 75 | 70 | 70 |
| Steam < 120 °C | 3 | 4 | 4</ | | | | | |