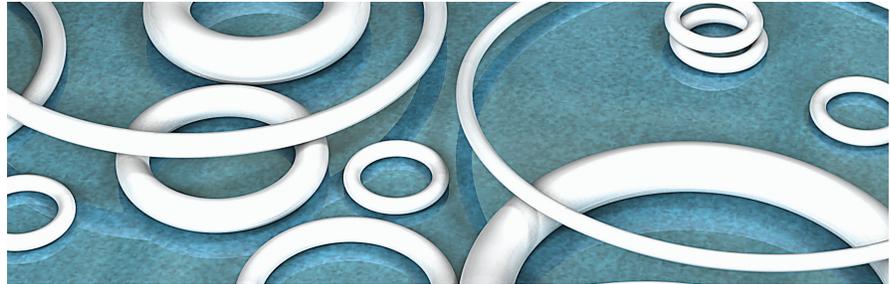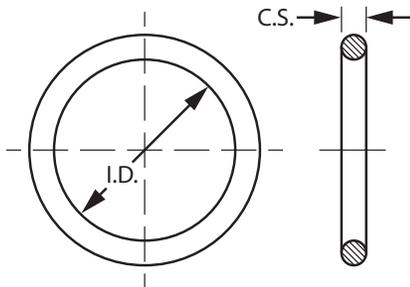# TECHNICAL BULLETIN:
# PTFE O-RINGS

When the chemical or thermal resistances of your elastomeric O-Rings, in your static applications, is no longer sufficient, PTFE O-Rings may be the solution. IPM-TEK's PTFE O-Rings are manufactured in standard AS568D O-Ring Dash sizes, as well as metric sizes, from our G400 compound (virgin PTFE).

O-Rings made from PTFE offer chemically inert characteristics, and mechanical strengths not achievable with Elastomeric O-Rings. PTFE O-Rings, do however, have low elasticity and cannot be stretched or compressed like rubber O-Rings, making installation a bit more difficult. Always consider the nominal diameter (rod or bore) of the application. Custom sizes can be manufactured. Give IPM-TEK a call for all of your, standard or custom, PTFE O-Ring needs.



| DASH # | ID | DASH # | ID | DASH # | ID | DASH # | ID | DASH # | ID | DASH # | ID | DASH # | ID | DASH # | ID | DASH # | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/16" C/S | | 1/16" C/S | | 3/32" C/S | | 3/32" C/S | | 1/8" C/S | | 1/8" C/S | | 3/16" C/S | | 3/16" C/S | | 1/4" C/S | |
| -004 | .070 | -044 | 3.739 | -133 | 1.799 | -173 | 8.487 | -233 | 2.859 | -273 | 9.734 | -335 | 2.725 | -375 | 9.475 | -442 | 7.225 |
| -005 | .101 | -045 | 3.989 | -134 | 1.862 | -174 | 8.737 | -234 | 2.984 | -274 | 9.984 | -336 | 2.850 | -376 | 9.725 | -443 | 7.475 |
| -006 | .114 | -046 | 4.239 | -135 | 1.925 | -175 | 8.987 | -235 | 3.109 | -275 | 10.484 | -337 | 2.975 | -377 | 9.975 | -444 | 7.725 |
| -007 | .145 | -047 | 4.489 | -136 | 1.987 | -176 | 9.237 | -236 | 3.234 | -276 | 10.984 | -338 | 3.100 | -378 | 10.475 | -445 | 7.975 |
| -008 | .176 | -048 | 4.739 | -137 | 2.050 | -177 | 9.487 | -237 | 3.359 | -277 | 11.484 | -339 | 3.225 | -379 | 10.975 | -446 | 8.475 |
| -009 | .208 | -049 | 4.989 | -138 | 2.112 | -178 | 9.737 | -238 | 3.484 | -278 | 11.984 | -340 | 3.350 | -380 | 11.475 | -447 | 8.975 |
| -010 | .239 | -050 | 5.239 | -139 | 2.175 | | | -239 | 3.609 | -279 | 12.984 | -341 | 3.475 | -381 | 11.975 | -448 | 9.475 |
| -011 | .301 | | | -140 | 2.237 | 1/8" C/S | | -240 | 3.734 | -280 | 13.984 | -342 | 3.600 | -382 | 12.975 | -449 | 9.975 |
| -012 | .364 | 3/32" C/S | | -141 | 2.300 | -201 | .171 | -241 | 3.859 | -281 | 14.984 | -343 | 3.725 | -383 | 13.975 | -450 | 10.475 |
| -013 | .426 | -102 | .049 | -142 | 2.362 | -202 | .234 | -242 | 3.984 | -282 | 15.955 | -344 | 3.850 | -384 | 14.975 | -451 | 10.975 |
| -014 | .489 | -103 | .081 | -143 | 2.425 | -203 | .296 | -243 | 4.109 | -283 | 16.955 | -345 | 3.975 | -385 | 15.955 | -452 | 11.475 |
| -015 | .551 | -104 | .112 | -144 | 2.487 | -204 | .359 | -244 | 4.234 | -284 | 17.955 | -346 | 4.100 | -386 | 16.955 | -453 | 11.975 |
| -016 | .614 | -105 | .143 | -145 | 2.550 | -205 | .421 | -245 | 4.359 | | | -347 | 4.225 | -387 | 17.955 | -454 | 12.475 |
| -017 | .676 | -106 | .174 | -146 | 2.612 | -206 | .484 | -246 | 4.484 | 3/16" C/S | | -348 | 4.350 | -388 | 18.955 | -455 | 12.975 |
| -018 | .739 | -107 | .206 | -147 | 2.675 | -207 | .546 | -247 | 4.609 | -309 | .412 | -349 | 4.475 | -389 | 19.955 | -456 | 13.475 |
| -019 | .801 | -108 | .237 | -148 | 2.737 | -208 | .609 | -248 | 4.734 | -310 | .475 | -350 | 4.600 | -390 | 20.955 | -457 | 13.975 |
| -020 | .864 | -109 | .299 | -149 | 2.800 | -209 | .671 | -249 | 4.859 | -311 | .537 | -351 | 4.725 | -391 | 21.955 | -458 | 14.475 |
| -021 | .926 | -110 | .362 | -150 | 2.862 | -210 | .734 | -250 | 4.984 | -312 | .600 | -352 | 4.850 | -392 | 22.940 | -459 | 14.975 |
| -022 | .989 | -111 | .424 | -151 | 2.987 | -211 | .796 | -251 | 5.109 | -313 | .662 | -353 | 4.975 | -393 | 23.940 | -460 | 15.475 |
| -023 | 1.051 | -112 | .487 | -152 | 3.237 | -212 | .859 | -252 | 5.234 | -314 | .725 | -354 | 5.100 | -394 | 24.940 | -461 | 15.955 |
| -024 | 1.114 | -113 | .549 | -153 | 3.487 | -213 | .921 | -253 | 5.359 | -315 | .787 | -355 | 5.225 | -395 | 25.940 | -462 | 16.455 |
| -025 | 1.176 | -114 | .612 | -154 | 3.737 | -214 | .984 | -254 | 5.484 | -316 | .850 | -356 | 5.350 | | | -463 | 16.955 |
| -026 | 1.239 | -115 | .674 | -155 | 3.987 | -215 | 1.046 | -255 | 5.609 | -317 | .912 | -357 | 5.475 | 1/4" C/S | | -464 | 17.455 |
| -027 | 1.301 | -116 | .737 | -156 | 4.237 | -216 | 1.109 | -256 | 5.734 | -318 | .975 | -358 | 5.600 | -425 | 4.475 | -465 | 17.955 |
| -028 | 1.364 | -117 | .799 | -157 | 4.487 | -217 | 1.171 | -257 | 5.859 | -319 | 1.037 | -359 | 5.725 | -426 | 4.600 | -466 | 18.455 |
| -029 | 1.489 | -118 | .862 | -158 | 4.737 | -218 | 1.234 | -258 | 5.984 | -320 | 1.100 | -360 | 5.850 | -427 | 4.725 | -467 | 18.955 |
| -030 | 1.614 | -119 | .924 | -159 | 4.987 | -219 | 1.296 | -259 | 6.234 | -321 | 1.162 | -361 | 5.975 | -428 | 4.850 | -468 | 19.455 |
| -031 | 1.739 | -120 | .987 | -160 | 5.237 | -220 | 1.359 | -260 | 6.484 | -322 | 1.225 | -362 | 6.225 | -429 | 4.975 | -469 | 19.955 |
| -032 | 1.864 | -121 | 1.049 | -161 | 5.487 | -221 | 1.421 | -261 | 6.734 | -323 | 1.287 | -363 | 6.475 | -430 | 5.100 | -470 | 20.955 |
| -033 | 1.989 | -122 | 1.112 | -162 | 5.737 | -222 | 1.484 | -262 | 6.984 | -324 | 1.350 | -364 | 6.725 | -431 | 5.225 | -471 | 21.955 |
| -034 | 2.114 | -123 | 1.174 | -163 | 5.987 | -223 | 1.609 | -263 | 7.234 | -325 | 1.475 | -365 | 6.975 | -432 | 5.350 | -472 | 22.940 |
| -035 | 2.239 | -124 | 1.237 | -164 | 6.237 | -224 | 1.734 | -264 | 7.484 | -326 | 1.600 | -366 | 7.225 | -433 | 5.475 | -473 | 23.940 |
| -036 | 2.364 | -125 | 1.299 | -165 | 6.487 | -225 | 1.859 | -265 | 7.734 | -327 | 1.725 | -367 | 7.475 | -434 | 5.600 | -474 | 24.940 |
| -037 | 2.489 | -126 | 1.362 | -166 | 6.737 | -226 | 1.984 | -266 | 7.984 | -328 | 1.850 | -368 | 7.725 | -435 | 5.725 | -475 | 25.940 |
| -038 | 2.614 | -127 | 1.424 | -167 | 6.987 | -227 | 2.109 | -267 | 8.234 | -329 | 1.975 | -369 | 7.975 | -436 | 5.850 | | |
| -039 | 2.739 | -128 | 1.487 | -168 | 7.237 | -228 | 2.234 | -268 | 8.484 | -330 | 2.100 | -370 | 8.225 | -437 | 5.975 | | |
| -040 | 2.864 | -129 | 1.549 | -169 | 7.487 | -229 | 2.359 | -269 | 8.734 | -331 | 2.225 | -371 | 8.475 | -438 | 6.225 | | |
| -041 | 2.989 | -130 | 1.612 | -170 | 7.737 | -230 | 2.484 | -270 | 8.984 | -332 | 2.350 | -372 | 8.725 | -439 | 6.475 | | |
| -042 | 3.239 | -131 | 1.674 | -171 | 7.987 | -231 | 2.609 | -271 | 9.234 | -333 | 2.475 | -373 | 8.975 | -440 | 6.725 | | |
| -043 | 3.489 | -132 | 1.737 | -172 | 8.237 | -232 | 2.734 | -272 | 9.484 | -334 | 2.600 | -374 | 9.225 | -441 | 6.975 | | |