

PTFE SPACERS

Custom Manufactured For Your Application



MFP Seals' PTFE SPACERS, a product line of over 140 standard profiles, are designed to exceed your expectations and meet the quality standards of your application. MFP Seals manufactures PTFE Spacers utilizing state-of-the-art tools. Specializing in PTFE Spacers with sizes ranging from 1/4" to 48" (6 mm to 1,220 mm).

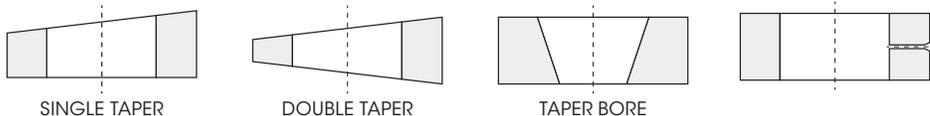
CONTACT MFP SEALS TO ORDER YOUR PTFE SPACERS TODAY!

MFP Seals' PTFE SPACERS product line includes:

Ring & Full Face Spacers: Standard, Blind, Armored (Steel Reinforcement - Outer Ring) Orifice (Drill thru & NPT Tap)

Tapered Spacers: Single, Double, and Tapered Bore

Other Spacers: Flanges, Paddle Spacers



Custom sizes and configurations are also available.

Material Facts T1000 (Virgin PTFE)

| Properties | Method | Typical Value |
|---|------------|---------------|
| PHYSICAL - MECHANICAL | | |
| Density (g/cm ³) | ASTM D792 | 2.14 - 2.18 |
| Hardness | | |
| Shore D (points) | ASTM D2240 | 51 - 60 |
| Tensile Strength | | |
| CD (MPa) | ISO 527 | ≥ 20 |
| Elongation at Break | | |
| CD (%) | ISO 527 | >200 |
| Compressive Strength at 1% deformation | | |
| CD (psi) | ASTM D695 | 580 - 725 |
| Deformation under load at room temp. after 24 hours at 13.7 N/mm ² | | |
| CD (%) | ASTM D621 | 14 - 17 |
| Permanent deformation as above after 24 hours of rest at room temp. | | |
| CD (%) | ASTM D621 | 7 - 8 |
| Permanent deformation as above after 24 hours of rest at room temp. | | |
| CD (%) | ASTM D621 | 7 - 8 |
| Impact strength | | |
| Izod (J/m) | ASTM D256 | 153 |

TRIBIOLOGICAL

| | | |
|---------------------------------|---------------------------|-------|
| Dynamic Coefficient of Friction | ASTM D1894 ASTM D3702 | 0.06 |
| Wear factor K | ASTM D3702 | 2.900 |
| PV limit | | |
| at 3 m/min | | 2.4 |
| at 30 m/min | N/mm ² · m/min | 4.2 |
| at 300 m/min | | 5.7 |

THERMAL

| | | |
|----------------------------------|----|--------------|
| Service Temperature (min to max) | °C | -200 to +260 |
| | °F | -328 to +500 |

| | | |
|--|-----------|---------------|
| Thermal expansion coefficient (linear) 25 - 100°C (10-5in/in/°F) | ASTM D696 | 6.625 - 7.206 |
|--|-----------|---------------|

ELECTRICAL

| | | |
|---|-----------|-------------|
| Dielectric Strength (specimen 0.5 mm thick) (KV/mm) | ASTM D149 | ≥ 40 |
| Dielectric Constant at 60 Hz and 106 Hz | ASTM D150 | 2.05 - 2.10 |
| Volume Resistivity (Ω · cm) | ASTM D257 | 1018 |
| Surface Resistivity (Ω) | ASTM D257 | 1017 |
| CD = Cross Direction | | |

The data we are herewith providing are all based on laboratory testing and are proposed to technical designers as possible and useful advice. Deviations from the values indicated may occur, but they do not constitute themselves either detriment of quality or reason for rejection.

MFPSEALS[®]
MARTIN FLUID POWER

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