# SMOOTHFLEXX PU FDA X-TRA MHR

Inner smooth and flexible tube made of food-grade TPU ether (FDA), transparent with an impact-resistant PVC spiral



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|---|---|
| **Applications** | pharmaceutical production, conveying technology, powder conveying & -coating, air supply, medical devices |
| **Structure** | Polyether-Polyurethane, uncolored, transparent, plastic spiral / rigid PVC |
| **Temperature** | -40°C up to 80°C |
| **Properties** | hydrolysis & microbe resistant rot proof weather proof, good flexibility, good abrasion resistance, corrugated outside, smooth inside, good tensile strength ultimate elongation |
| **Norms** | FDA standard 21 CFR 177.2600 & 178.2010 |







made in Germany

| Inner Diameter (mm) | Wall Thickness (mm) | Bending Radius (mm) | Max. Operating Pressure (bar) | Vacuum Max. (bar) | Weight (kg/m) | Article Number |
|---|---|---|---|---|---|---|
| 20 | 0,80 | 70 | 2,00 | 0,35 | 0,18000 | 9-4200-020-10/998 |
| 25 | 0,80 | 88 | 2,00 | 0,35 | 0,23000 | 9-4200-025-10/998 |
| 30 | 0,80 | 105 | 2,00 | 0,35 | 0,35000 | 9-4200-030-10/998 |
| 32 | 0,80 | 112 | 2,00 | 0,30 | 0,38000 | 9-4200-032-10/998 |
| 38 | 0,80 | 133 | 2,00 | 0,30 | 0,34300 | 9-4200-038-10/998 |
| 40 | 0,90 | 140 | 2,00 | 0,30 | 0,39000 | 9-4200-040-10/998 |
| 45 | 0,90 | 158 | 2,00 | 0,30 | 0,41000 | 9-4200-045-10/998 |
| 51 | 1,00 | 179 | 1,50 | 0,25 | 0,50400 | 9-4200-051-10/998 |
| 60 | 1,00 | 210 | 1,50 | 0,25 | 0,45000 | 9-4200-060-10/998 |
| 63 | 1,00 | 221 | 1,50 | 0,25 | 0,63000 | 9-4200-063-10/998 |
| 65 | 1,00 | 228 | 1,50 | 0,25 | 0,73000 | 9-4200-065-10/998 |
| 70 | 1,00 | 245 | 1,50 | 0,25 | 0,74000 | 9-4200-070-10/998 |
| 76 | 1,00 | 266 | 1,50 | 0,25 | 0,74200 | 9-4200-076-10/998 |
| 80 | 1,00 | 280 | 1,50 | 0,25 | 0,89000 | 9-4200-080-10/998 |
| 90 | 1,00 | 315 | 1,50 | 0,23 | 1,03000 | 9-4200-090-10/998 |
| 102 | 1,00 | 357 | 1,30 | 0,22 | 0,99300 | 9-4200-102-10/998 |
| 110 | 1,00 | 385 | 1,30 | 0,21 | 1,16000 | 9-4200-110-10/998 |
| 120 | 1,00 | 420 | 1,30 | 0,20 | 1,32000 | 9-4200-120-10/998 |
| 127 | 1,00 | 445 | 1,30 | 0,20 | 1,38000 | 9-4200-127-10/998 |
| 140 | 1,00 | 490 | 1,00 | 0,18 | 1,74000 | 9-4200-140-10/998 |
| 152 | 1,00 | 532 | 1,00 | 0,16 | 2,16000 | 9-4200-152-10/998 |
| 160 | 1,00 | 560 | 0,90 | 0,16 | 2,53000 | 9-4200-160-10/998 |



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All technical data, measured at 23°C, are general orientation values and are subject to production-related tolerances. Max. operating pressures apply only for short periods. Technical changes and color deviations are subject to change. Other versions are available upon request.
Date: 24.11.2026

| Inner Diameter (mm) | Wall Thickness (mm) | Bending Radius (mm) | Max. Operating Pressure (bar) | Vacuum Max. (bar) | Weight (kg/m) | Article Number |
|---|---|---|---|---|---|---|
| 203 | 1,20 | 711 | 0,70 | 0,10 | 3,57000 | 9-4200-203-10/998 |
| 250 | 1,20 | 875 | 0,50 | 0,10 | 3,81000 | 9-4200-250-10/998 |



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