

Insulationsleeve

## FITCO® Iso-PUR-Insulationsleeve

All-purpose black protective and insulating hose made of polyurethane with very good UV resistance. FITCO® Iso-PUR complies with DIN EN 60684-3.

**Operating temperature:** - 40°C to + 125°C  
**Standard color:** Black  
 Other colors on request

| Description               | Inner diameter (mm) | Tolerance ID (mm) | Wall thickness (mm) | Tolerance wall thickness (mm) |
|---------------------------|---------------------|-------------------|---------------------|-------------------------------|
| FITCO® Iso-PUR 2.0x0.3mm  | 2.0                 | + 0.3             | 0.3                 | ± 0.1                         |
| FITCO® Iso-PUR 3.0x0.3mm  | 3.0                 | + 0.3             | 0.3                 | ± 0.1                         |
| FITCO® Iso-PUR 4.0x0.4mm  | 4.0                 | + 0.3             | 0.4                 | ± 0.1                         |
| FITCO® Iso-PUR 5.0x0.5mm  | 5.0                 | + 0.3             | 0.5                 | ± 0.15                        |
| FITCO® Iso-PUR 6.0x0.5mm  | 6.0                 | + 0.3             | 0.5                 | ± 0.15                        |
| FITCO® Iso-PUR 6.3x1.35mm | 6.3                 | + 0.3             | 1.35                | ± 0.20                        |
| FITCO® Iso-PUR 7.0x0.6mm  | 7.0                 | + 0.3             | 0.6                 | ± 0.15                        |
| FITCO® Iso-PUR 8.0x0.6mm  | 8.0                 | + 0.3             | 0.6                 | ± 0.15                        |
| FITCO® Iso-PUR 9.0x0.6mm  | 9.0                 | + 0.4             | 0.6                 | ± 0.15                        |
| FITCO® Iso-PUR 10x0.6mm   | 10.0                | + 0.4             | 0.6                 | ± 0.15                        |
| FITCO® Iso-PUR 11x0.6mm   | 11.0                | + 0.4             | 0.6                 | ± 0.15                        |
| FITCO® Iso-PUR 12x0.6mm   | 12.0                | + 0.4             | 0.6                 | ± 0.15                        |
| FITCO® Iso-PUR 13x0.6mm   | 13.0                | + 0.5             | 0.6                 | ± 0.15                        |
| FITCO® Iso-PUR 14x0.8mm   | 14.0                | + 0.5             | 0.8                 | ± 0.15                        |
| FITCO® Iso-PUR 16x0.8mm   | 16.0                | + 0.6             | 0.8                 | ± 0.15                        |
| FITCO® Iso-PUR 18x0.8mm   | 18.0                | + 0.6             | 0.8                 | ± 0.15                        |
| FITCO® Iso-PUR 20x1.0mm   | 20.0                | + 0.6             | 1.0                 | ± 0.2                         |
| FITCO® Iso-PUR 22x1.0mm   | 22.0                | + 0.7             | 1.0                 | ± 0.2                         |
| FITCO® Iso-PUR 24x1.0mm   | 24.0                | + 0.7             | 1.0                 | ± 0.2                         |
| FITCO® Iso-PUR 25x1.0mm   | 25.0                | + 0.7             | 1.0                 | ± 0.2                         |
| FITCO® Iso-PUR 26x1.0mm   | 26.0                | + 0.7             | 1.0                 | ± 0.2                         |
| FITCO® Iso-PUR 28x1.0mm   | 28.0                | + 0.8             | 1.0                 | ± 0.2                         |
| FITCO® Iso-PUR 30x1.0mm   | 30.0                | + 0.8             | 1.0                 | ± 0.2                         |
| FITCO® Iso-PUR 32x1.2mm   | 32.0                | + 1.0             | 1.2                 | ± 0.2                         |

\*Special sizes on request

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**Packaging:** rings.  
cut lengths or printed tubing on request.

| Properties                                       | Test Method       | Typical Value                                   |
|--|-------------------|---|
| <b>Mechanical</b>                                |                   |   |
| Tensile strength                                 | DIN 53504         | ≥ 40 MPa  |
| Tensile strength loss after water storage        | DIN 53504         | < 40 %  |
| Ultimate elongation                              | DIN 53504         | > 500 %   |
| Tear resistance                                  | DIN 53515         | ≥ 60 N/mm                                       |
| Abrasion   | DIN 53516         | < 40 mm <sup>3</sup>                            |
| Specific density                                 | DIN 53479         | 1.12 g/cm <sup>3</sup> ± 0.05 g/cm <sup>3</sup> |
| Hardness Shore A                                 | DIN 53505         | 87 ± 2  |
| Variations in Shore hardness after water storage | DIN 53505         | ± 10  |
| <b>Thermal</b>                                   |                   |   |
| Flammability                                     | UL 94 / FMVSS 302 | HB / Typ B                                      |
| Embrittlement temperature                        | ASTM D 746 B      | < -20   |
| <b>Electrical</b>                                |                   |   |
| Voltage value 100%                               | DIN 53504         | 7 MPa   |
| Dielectric strength                              | VDE 303 (IEC 243) | 20-25 kV/mm                                     |
| <b>Chemical</b>                                  |                   |   |
| Ozone resistance                                 | VDE 472 - 805     | Pass  |

In accordance with following directives:

- DBL 5420
- Ford smooth tube specification ES2U5A-1A263-AA
- Delphi M4118
- BMW PUR tube drawing 1 459 835
- AFL TL 980-001
- VW TL 529