Polyurethane Tubing
Series U: Polyether Base

Features
- 90 to 95 Shore A durometer
- Excellent kink and abrasion resistance
- Excellent hydrolytic stability
- Flexible and easy to assemble onto designated fittings
- Polyurethane tubing exhibits the elongation and recovery characteristics of rubber and the chemical resistance associated with plastics

Applications/Markets
- Pneumatic controls
- Robotics
- Machine tools
- General pneumatics
- Vacuum equipment
- Analytical instrumentation
- Semiconductor equipment
- Medical and laboratory applications

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Tube O.D.</th>
<th>Tube I.D.</th>
<th>Average Wall Thickness</th>
<th>Working Pressure at 73°F /23°C</th>
<th>Minimum Burst at 73°F /23°C</th>
<th>Reel Length</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural</td>
<td>inch</td>
<td>mm</td>
<td>inch</td>
<td>inch</td>
<td>psi bar</td>
<td>feet</td>
<td>lbs./ft.</td>
</tr>
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<td>.031 0.79</td>
<td>125 8.6</td>
<td>375 25.9</td>
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<td>.086 2.2</td>
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<td>375 25.9</td>
</tr>
</tbody>
</table>

Also available in coils

For detailed ordering information, please consult price list or contact Parflex® Division.

Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | parker.com/pfd
Order Information

Example: U-21-BLK-0500

U-21-BLK-0500 – Polyurethane
U-21-BLK-0500 – Tube O.D. in sixteenths of an inch (1/8")
U-21-BLK-0500 – Tube I.D. in sixteenths of an inch (.063")
U-21-BLK-0500 – Color (Black) (Omit for Natural)
U-21-BLK-0500 – Package Quantity in feet (500’)

Opaque Color Code

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<tr>
<th>Color</th>
<th>Code</th>
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</thead>
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<tr>
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Transparent Color Code

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<tr>
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<td>TYEL</td>
</tr>
</tbody>
</table>

Polyurethane Tubing (Series U)

Maximum Working Pressure (psig)

![Graph showing maximum working pressure vs. temperature for polyurethane tubing series U](image)

Fittings

Parker fittings available from:
Fluid System Connectors Division
Otsego, MI
(269) 692-6555
(269) 694-4614 FAX

FSC Product Families:
- Fast & Tite
- Flow Control
- Prestolok Brass
- TrueSeal™
- Par-Barb™

A tube support should be used with this tubing for maximum holding power where end loading, vibration or pressure spikes may occur. Reference Tubing/Fitting Compatibility Chart (pg. B-6)

Notes

- Suggested operating temperature range for service at rated pressures with compatible fluids is -40°F to +180°F (-40°C to +82°C)

Colors

- See Color Code Table
Metric Polyurethane Tubing
Series UM: Polyether Base

Features
- 90 to 95 Shore A durometer
- Excellent kink and abrasion resistance
- Excellent hydrolytic stability
- Flexible and easy to assemble onto designated fittings
- Polyurethane tubing exhibits the elongation and recovery characteristics of rubber and the chemical resistance associated with plastics

Applications/Markets
- Pneumatic controls
- Robotics
- Machine tools
- General pneumatics
- Vacuum equipment
- Analytical instrumentation
- Semiconductor equipment
- Medical and laboratory applications

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Tube O.D.</th>
<th>Tube I.D.</th>
<th>Average Wall Thickness</th>
<th>Working Pressure at 73°F /23°C</th>
<th>Minimum Burst at 73°F /23°C</th>
<th>Reel Length</th>
<th>Weight</th>
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<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
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<td>.030</td>
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<td>.236</td>
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<td>1.00</td>
<td>.039</td>
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<td>.079</td>
<td>9.0</td>
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</table>

For detailed ordering information, please consult price list or contact Parflex® Division.
Order Information

Example: UM6x4-BLK-0100

UM6x4-BLK-0100 – Polyurethane Metric
UM6x4-BLK-0100 – Tube O.D. in millimeters (6 mm)
UM6x4-BLK-0100 – Tube I.D. in millimeters (4 mm)
UM6x4-BLK-0100 – Color (Black) (Omit for Natural)
UM6x4-BLK-0100 – Package Quantity in feet (100')

Fittings

Parker fittings available from:
Fluid System Connectors Division
Otsego, MI
(269) 692-6555
(269) 694-4614 FAX

FSC Product Families:
- Prestolok Brass
- Par-Barb

A tube support should be used with this tubing for maximum holding power where end loading, vibration or pressure spikes may occur. Reference Tubing/Fitting Compatibility Chart (pg. B-6)

Notes
- The recommended operating temperature range for service at rated pressures with compatible fluids is -40°F to +180°F (-40°C to +82°C)

Colors
- See Color Code Table

Opaque Color Code

<table>
<thead>
<tr>
<th>Color Code</th>
<th>Color</th>
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</thead>
<tbody>
<tr>
<td>BLK</td>
<td>Black</td>
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<td>BLU</td>
<td>Blue</td>
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<tr>
<td>GRA</td>
<td>Gray</td>
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<td>GRN</td>
<td>Green</td>
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<td>Orange</td>
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<td>RED</td>
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Transparent Color Code

<table>
<thead>
<tr>
<th>Color Code</th>
<th>Color</th>
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</thead>
<tbody>
<tr>
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<td>TGRN</td>
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<td>TORG</td>
<td>Transparent Orange</td>
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<tr>
<td>TRED</td>
<td>Transparent Red</td>
</tr>
<tr>
<td>TYEL</td>
<td>Transparent Yellow</td>
</tr>
</tbody>
</table>

Metric Polyurethane Tubing (Series UM)

Maximum Working Pressure (bar)

![Graph showing maximum working pressure in bar vs. temperature in degrees Celsius]

For detailed ordering information, please consult price list or contact Parflex® Division.

Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | parker.com/pfd
HUFR MicroWeld™ Tubing

Features
- Mono-wall construction eliminates the need for skiving tools or knives, reducing installation time
- Excellent abrasion resistance
- Silicone and halogen free
- Weighs 36% less than equivalent covered tubing

Certifications
- UL 94 V2 compliant

Applications/Markets
- Robotics
- Welding
- General automation

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Tube O.D.</th>
<th>Tube I.D.</th>
<th>Average Wall Thickness</th>
<th>Working Pressure at 73°F /23°C</th>
<th>Minimum Burst at 73°F /23°C</th>
<th>Reel Length</th>
<th>Minimum Bend Radius</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>inch</td>
<td>mm</td>
<td>inch</td>
<td>psi bar</td>
<td>psi bar</td>
<td>feet</td>
<td>inch</td>
<td>lbs./ft. kg./mtr.</td>
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<td>6.4</td>
<td>.160</td>
<td>.045</td>
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<td>525</td>
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<td>9.5</td>
<td>.251</td>
<td>.062</td>
<td>1.6</td>
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<td>10.3</td>
<td>450</td>
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<tr>
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<td>.320</td>
<td>.090</td>
<td>2.3</td>
<td>160</td>
<td>11.0</td>
<td>475</td>
</tr>
</tbody>
</table>

For detailed ordering information, please consult price list or contact Parflex® Division.
Order Information

Example: HUFR-4-045-BL-0500

HUFR-4-045-BL-0500 – MicroWeld™ Polyurethane
HUFR-4-045-BL-0500 – Tube O.D. in sixteenths of an inch (1/4")
HUFR-4-045-BL-0500 – Wall Thickness in inches (.045")
HUFR-4-045-BL-0500 – Color (Blue)
HUFR-4-045-BL-0500 – Package Quantity in feet (500')

Fittings

Parker fittings available from:
Fluid System Connectors Division
Otsego, MI
(269) 692-6555
(269) 694-4614 FAX

FSC Product Families:
- Prestolok PLM

Notes
- Suggested operating temperature range for service at rated pressures with compatible fluids is -40°F to +180°F (-40°C to +82°C)

Colors
- See Color Code Table

MicroWeld™ Tubing (Series HUFR)

Maximum Working Pressure (psig)

<table>
<thead>
<tr>
<th>Color Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
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<td>Black</td>
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<tr>
<td>BL</td>
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<td>GN</td>
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<td>RD</td>
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<tr>
<td>WH</td>
<td>White</td>
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</tbody>
</table>

For detailed ordering information, please consult price list or contact Parflex® Division.
Polyurethane Tubing
Series HU: High Durometer Polyether Base

**Features**
- 95 Shore A durometer or greater
- Excellent kink and abrasion resistance
- Excellent hydrolytic stability
- Flexible and easy to assemble onto designated fittings
- Polyurethane tubing exhibits the elongation and recovery characteristics of rubber and the chemical resistance associated with plastics

**Applications/Markets**
- Pneumatic controls
- Robotics
- Machine tools
- General pneumatics
- Vacuum equipment
- Analytical instrumentation
- Semiconductor equipment
- Medical and laboratory applications

**Polyurethane Tubing Series HU: High Durometer Polyether Base**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Tube O.D.</th>
<th>Tube I.D.</th>
<th>Average Wall Thickness</th>
<th>Working Pressure at 73°F /23°C</th>
<th>Minimum Burst at 73°F /23°C</th>
<th>Reel Length</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>HU-2-XXXX</td>
<td>1/8 3.2</td>
<td>.063 1.6</td>
<td>.031 0.79</td>
<td>300 20.7</td>
<td>900 62.1</td>
<td>0100, 0250, 0500</td>
<td>.005 .007</td>
</tr>
<tr>
<td>HU-2.5-XXXX</td>
<td>5/32 4.0</td>
<td>.094 2.4</td>
<td>.031 0.79</td>
<td>210 14.5</td>
<td>630 43.4</td>
<td>0100, 0500</td>
<td>.006 .009</td>
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<td>1/4 6.4</td>
<td>.160 4.1</td>
<td>.045 1.1</td>
<td>180 12.4</td>
<td>540 37.2</td>
<td>0100, 0500</td>
<td>.014 .021</td>
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<td>.250 6.4</td>
<td>.062 1.6</td>
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<td>540 37.2</td>
<td>0100, 0500</td>
<td>.030 .045</td>
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<td>.090 2.3</td>
<td>180 12.4</td>
<td>540 37.2</td>
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<td>540 37.2</td>
<td>0100, 0250</td>
<td>.133 .190</td>
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</tbody>
</table>

For detailed ordering information, please consult price list or contact Parflex® Division.
Order Information

Example: HU-2-BLK-0500

HU-2-BLK-0500 – **High Durometer Polyurethane**

HU-2-BLK-0500 – **Tube O.D.** in sixteenths of an inch (1/8")

HU-2-BLK-0500 – **Color (Black)**

HU-2-BLK-0500 – **Package Quantity** in feet (500')

<table>
<thead>
<tr>
<th>Color Code</th>
<th>Color</th>
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</thead>
<tbody>
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<td>•</td>
<td>BLU</td>
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<td>•</td>
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<tr>
<td>•</td>
<td>RED</td>
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<tr>
<td>•</td>
<td>YEL</td>
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</tbody>
</table>

Polyurethane Tubing (Series HU)

**Maximum Working Pressure (psig)**

Fittings

Parker fittings available from:
Fluid System Connectors Division
Otsego, MI
(269) 694-6555
(269) 694-4614 FAX

FSC Product Families:
- Fast & Tite
- Flow Control
- Prestolok Brass
- Prestolok Composite
- TrueSeal™

A tube support should be used with this tubing for maximum holding power where end loading, vibration or pressure spikes may occur. Reference Tubing/Fitting Compatibility Chart (pg. B-6)

Notes

- Suggested operating temperature range for service at rated pressures with compatible fluids is -40°F to +180°F (-40°C to +82°C)

Colors

- See Color Code Table

For detailed ordering information, please consult price list or contact Parflex® Division.
Metric Polyurethane Tubing
Series HUM: High Durometer (Metric) Polyether Base

Features
- 95 Shore A durometer or greater
- Excellent kink and abrasion resistance
- Excellent hydrolytic stability
- Flexible and easy to assemble onto designated fittings
- Polyurethane tubing exhibits the elongation and recovery characteristics of rubber and the chemical resistance associated with plastics

Applications/Markets
- Pneumatic controls
- Robotics
- Machine tools
- General pneumatics
- Vacuum equipment
- Analytical instrumentation
- Semiconductor equipment
- Medical and laboratory applications

<table>
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<tr>
<th>Part Number</th>
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<th>Tube I.D.</th>
<th>Average Wall Thickness</th>
<th>Working Pressure at 73°F /23°C</th>
<th>Minimum Burst at 73°F /23°C</th>
<th>Reel Length</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>mm</td>
<td>inch</td>
<td>mm</td>
<td>inch</td>
<td>mm</td>
<td>inch</td>
<td>bar</td>
</tr>
<tr>
<td>HUM-4-XXXX</td>
<td>4 .157</td>
<td>2.4 .094</td>
<td>0.80</td>
<td>.031</td>
<td>12.4</td>
<td>180</td>
<td>37.2</td>
</tr>
<tr>
<td>HUM-6-XXXX</td>
<td>6 .236</td>
<td>4.0 .157</td>
<td>1.00</td>
<td>.039</td>
<td>12.4</td>
<td>180</td>
<td>37.2</td>
</tr>
<tr>
<td>HUM-8-XXXX</td>
<td>8 .315</td>
<td>5.0 .196</td>
<td>1.50</td>
<td>.059</td>
<td>12.4</td>
<td>180</td>
<td>37.2</td>
</tr>
<tr>
<td>HUM-10-XXXX</td>
<td>10 .393</td>
<td>6.5 .256</td>
<td>1.75</td>
<td>.069</td>
<td>12.4</td>
<td>180</td>
<td>37.2</td>
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</tbody>
</table>
| HUM-12-XXXX | 12 .472  | 8.0 .315  | 2.00 | .079 | 12.4 | 180 | 37.2 | 540 | 0100, 0250 | .073 | .049 

Features
- 95 Shore A durometer or greater
- Excellent kink and abrasion resistance
- Excellent hydrolytic stability
- Flexible and easy to assemble onto designated fittings
- Polyurethane tubing exhibits the elongation and recovery characteristics of rubber and the chemical resistance associated with plastics

Applications/Markets
- Pneumatic controls
- Robotics
- Machine tools
- General pneumatics
- Vacuum equipment
- Analytical instrumentation
- Semiconductor equipment
- Medical and laboratory applications

For detailed ordering information, please consult price list or contact Parflex® Division.
Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | parker.com/pfd
**Order Information**

**Example: HUM-6-BLK-0100**

- **HUM-6-BLK-0100** – High Durometer Metric Polyurethane
- **HUM-6-BLK-0100** – Tube O.D. in millimeters (6mm)
- **HUM-6-BLK-0100** – Color (Black)
- **HUM-6-BLK-0100** – Package Quantity in feet (100')

---

**Metric Polyurethane Tubing (Series HUM)**

Maximum Working Pressure (bar)

For detailed ordering information, please consult price list or contact Parflex® Division.

**Fittings**

Parker fittings available from:
Fluid System Connectors Division
Otsego, MI
(269) 692-6555
(269) 694-4614 FAX

FSC Product Families:
- Flow Control
- Prestolok Brass
- Prestolok Composite

A tube support should be used with this tubing for maximum holding power where end loading, vibration or pressure spikes may occur. Reference Tubing/Fitting Compatibility Chart (pg. B-6)

**Notes**

- Suggested operating temperature range for service at rated pressures with compatible fluids is -40°F to +180°F (-40°C to +82°C)

**Colors**

- Natural
- Black