Heavy Duty Polyurethane (PU) Layflat
16” ID Large Diameter Hose (LDH)

**Application:** Construction sites, waste water industry, agriculture and mining, transport of abrasive materials, flexible pipeline even in extreme terrain, irrigation and sludge disposal, for heavy duty service under toughest conditions. Perfectly prepared for hydraulic fraction in shales and oil fields.

- **Tube:** PU
- **Cover:** PU, Ribbed cover or smooth cover
- **Reinforcement:** Polyester-Nylon textile
- **Temperature:** -58°F to 176°F
- **Branding:** EAGLE PU WATER TRANSFER
- **Color:** Black standard, blue, green, or red upon request
- **Package:** Rolled, packed on steel reel
- **Standard Length:** 660 ft (200m)
- **Mfg. Technology:** Through-the-weave-technology

**Friction Loss of Eagle TPU Polyurethane Layflat Hose**

<table>
<thead>
<tr>
<th>Flow Rate</th>
<th>Pressure Drop (bar/200m)</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>480</td>
<td>8000</td>
<td>0.36</td>
</tr>
<tr>
<td>600</td>
<td>10000</td>
<td>0.56</td>
</tr>
<tr>
<td>900</td>
<td>15000</td>
<td>1.26</td>
</tr>
<tr>
<td>1200</td>
<td>20000</td>
<td>2.22</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Friction Losses (theoretical value)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2400 40000</td>
</tr>
<tr>
<td>8.24 3.19 1.48 0.76</td>
</tr>
<tr>
<td>0.43 0.20 0.11 0.06</td>
</tr>
<tr>
<td>8.67 3.39 1.59 0.82</td>
</tr>
</tbody>
</table>

**Friction loss of coupling (bar):**

- 0.43
- 0.20
- 0.11
- 0.06

**Total friction loss (bar):**

- 8.67
- 3.39
- 1.59
- 0.82

**Flow Rate**

- M3/h
- Q(L/min)

**Pressure Drop**

- 10"
- 12"
- 14"
- 16"

**Remark**

- Known Data
- Calculated value

**Eagle Water Transfer PU** is coupled with forged fittings versus sand casted fittings, making them the strongest in the industry!

<table>
<thead>
<tr>
<th>ID</th>
<th>Nom. OD</th>
<th>Max WP</th>
<th>Burst</th>
<th>Tolerance</th>
<th>Wall Thickness</th>
<th>Tensile Strength</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>16 7/16</td>
<td>115/8</td>
<td>345/24</td>
<td>15.98 - 16.14</td>
<td>0.21</td>
<td>66140</td>
<td>5.09</td>
</tr>
</tbody>
</table>

**ISO 9001:2015 Certified**

**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov