### Construction and material:

<table>
<thead>
<tr>
<th>Layer</th>
<th>PA11 hydrolisis resistant</th>
</tr>
</thead>
</table>

### Hose dimension*:

<table>
<thead>
<tr>
<th>Layer</th>
<th>ID [mm]</th>
<th>OD [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8 ± 0.1</td>
<td>6 ± 0.1</td>
</tr>
<tr>
<td></td>
<td>10 ± 0.1</td>
<td>8 ± 0.1</td>
</tr>
<tr>
<td></td>
<td>13 ± 0.1</td>
<td>10 ± 0.1</td>
</tr>
<tr>
<td></td>
<td>15 ± 0.1</td>
<td>12 ± 0.1</td>
</tr>
<tr>
<td></td>
<td>18 ± 0.1</td>
<td>14 ± 0.1</td>
</tr>
<tr>
<td></td>
<td>22 ± 0.1</td>
<td>19 ± 0.1</td>
</tr>
</tbody>
</table>

### Mechanical - Chemical characteristics:

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Working pressure [bar]</td>
<td>12</td>
</tr>
<tr>
<td>Max Working temperature [°C]</td>
<td>130</td>
</tr>
<tr>
<td>Min Working temperature [°C]</td>
<td>-40</td>
</tr>
<tr>
<td>Peak temperature [°C]</td>
<td>140</td>
</tr>
<tr>
<td>Burst pressure resistance [bar]</td>
<td>Depending on pipe thickness and diameter ex. 8x6 mm burst 60 bars</td>
</tr>
<tr>
<td>Hydrolysis resistance</td>
<td>Glycol long life 130°C for 1000h Adblue 60°C</td>
</tr>
<tr>
<td>Permeation TF1 at 60°C [g/m²/h]</td>
<td>not required for cooling lines</td>
</tr>
<tr>
<td>Permeation TF1 at 60°C [g/m²/24h]</td>
<td>not required for cooling lines</td>
</tr>
<tr>
<td>Max Cold impact resistance [°C]</td>
<td>-40</td>
</tr>
</tbody>
</table>

### Standard and :

<table>
<thead>
<tr>
<th>Product</th>
<th>Minimum batches</th>
<th>Coil</th>
<th>Minimum lengths</th>
<th>*</th>
<th>Preformed</th>
<th>x</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
<tr>
<td>International standard</td>
<td>WV TL 822 53 WV TL 52439</td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>Application</td>
<td>Cooling line - SCR line</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Patent</td>
<td></td>
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</tbody>
</table>

* eventual request to discuss with the customer