# Airconditioning hose DN 16 H3

<table>
<thead>
<tr>
<th>Temperature Range</th>
<th>Working Temperature:</th>
<th>~40 to 150 °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak Temperature:</td>
<td></td>
<td>160°C</td>
</tr>
<tr>
<td>Refrigeration</td>
<td>Refrigerant:</td>
<td>R134a</td>
</tr>
<tr>
<td></td>
<td></td>
<td>R1234yf*</td>
</tr>
<tr>
<td>Compressor oil</td>
<td></td>
<td>PAG**</td>
</tr>
<tr>
<td>Identification</td>
<td></td>
<td>- PHX DN 16 H3 PA6-BIMS/BIIR-PET-EPM -</td>
</tr>
</tbody>
</table>

## Product description

<table>
<thead>
<tr>
<th>Inside diameter</th>
<th>mm</th>
<th>16,0 ± 0,3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outside diameter</td>
<td>mm</td>
<td>24,1 ± 0,5</td>
</tr>
<tr>
<td>Max. Eccentricity</td>
<td>mm</td>
<td>0,3</td>
</tr>
<tr>
<td>Adhesion test – films inner layer – elastomer innerlayer</td>
<td>N/mm</td>
<td>&gt;3,0</td>
</tr>
<tr>
<td>Adhesion test – for Reinforcements</td>
<td>N/mm</td>
<td>&gt;2,5</td>
</tr>
<tr>
<td>Weight</td>
<td>g/m</td>
<td>298</td>
</tr>
</tbody>
</table>

## Functional description

<table>
<thead>
<tr>
<th>Operating pressure</th>
<th>MPa</th>
<th>3,5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Burst pressure (specified)</td>
<td>MPa</td>
<td>&gt;13,7</td>
</tr>
<tr>
<td>Bending radius</td>
<td>mm</td>
<td>R90 (yard ware) R65 (preformed hoses)</td>
</tr>
<tr>
<td>Permeation***</td>
<td></td>
<td>R134a</td>
</tr>
<tr>
<td>VDA (240h,90°C) [g/m/d]</td>
<td>&lt;0,2</td>
<td>&lt;0,2</td>
</tr>
<tr>
<td>SAE J2727 [kg/m²y]</td>
<td>&lt;0,5</td>
<td>&lt;0,5</td>
</tr>
</tbody>
</table>

## Customer standard

<table>
<thead>
<tr>
<th>VW Group</th>
<th>TL 82316</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daimler AG</td>
<td>A211 830 0600</td>
<td>Yes</td>
</tr>
<tr>
<td>BMW AG</td>
<td>QV 64005</td>
<td>Yes</td>
</tr>
<tr>
<td>Renault S.A.</td>
<td>RSA 32-02-017</td>
<td>Yes</td>
</tr>
<tr>
<td>General Motors Company</td>
<td>GMW 14319</td>
<td>Yes</td>
</tr>
<tr>
<td>MAN SE</td>
<td>MAN M3118-2</td>
<td>Yes</td>
</tr>
<tr>
<td>Scania AB</td>
<td>TR1323-030320</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>EU Richtlinie 2006/40/EG</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>SAE 2064</td>
<td>type E</td>
</tr>
</tbody>
</table>

* released for BMW, Daimler and VW (suction / liquid side)
** approved oils available upon request
*** Permeation determined on AC-lines

## Hose construction:

### Inside layer
- Film
- PA 6
- BIMS/BIIR

### Outside layer
- EPM

### Reinforcement
- PET

<table>
<thead>
<tr>
<th>Date</th>
<th>Revision</th>
<th>compiled</th>
<th>released</th>
<th>Seite</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017-06-01</td>
<td>3</td>
<td>Martina Dettlaff</td>
<td>Rene Kling</td>
<td>1 von 1</td>
</tr>
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