Room temperature vulcanizing (RTV) silicone sealant can be used in engine, gearbox, transmission and axle construction when good sealing performance at high temperatures, oil resistance and a flexible sealant is required. The product is specified at most automotive OEMs.
LOCTITE 5970 is a neutral cure RTV silicone which can compensate micro movement between flanges, seal against mineral and synthetic-based oils at high temperatures.

Benefits

- Good oil resistance
- Flexible to withstand high joint-movements
- Withstands on line low pressure tests

Typical Applications of LOCTITE 5970

- Transmission, gearbox, PTU
  - Gearbox and transmission housings
  - Lids and covers
  - Oil pans & side covers
- Differential/Axle
  - Case halves
  - Covers
- Engine
  - Oil pans
  - Front covers
  - Ladder frames, bed plates
  - Rear seal retainers
- Others
  - Electric steering units
  - Covers/lids on ECUs

Technical Data

<table>
<thead>
<tr>
<th>Product family</th>
<th>Silicone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Black</td>
</tr>
<tr>
<td>Hardness (Shore A)</td>
<td>44</td>
</tr>
<tr>
<td>Tensile strength (N/mm²)</td>
<td>≥ 1.5</td>
</tr>
<tr>
<td>Elongation at break (%)</td>
<td>≥ 200</td>
</tr>
<tr>
<td>Operating temperature (°C)</td>
<td>Up to 200</td>
</tr>
<tr>
<td>Skin over time (min)</td>
<td>25</td>
</tr>
<tr>
<td>Adhesion to metal</td>
<td>Excellent</td>
</tr>
<tr>
<td>Adhesion to PACC GF35</td>
<td>Good</td>
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</tbody>
</table>

For full technical details please refer to the Technical Data Sheet.

The data contained herein are intended as reference only. Please contact Henkel AG & Co. KGaA for assistance and recommendation on specifications for these products.

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