

# BLUESIL<sup>TM</sup> PAST 340

<b>Description</b>	<b>BLUESIL PAST 340</b> is a polydimethylsiloxanic oil based silicone paste together with inert fillers. This paste is has good thermal conductivity properties.
<b>Examples of applications</b>	<ul style="list-style-type: none"><li>• Protection of electrical circuits.</li><li>• Production of thermal seals for gauges and sensors.</li><li>• Sealing between resistors and metal parts in household electrical appliance.</li></ul>
<b>Advantages</b>	<ul style="list-style-type: none"><li>• <b>Good thermal dissipation</b></li><li>• <b>Low variation in viscosity over a wide temperature range up to 200 °C</b></li><li>• <b>Chemically inert</b></li><li>• <b>Good dielectric properties.</b></li></ul>
<b>Characteristics</b>	<p><b>1. Physical properties</b></p> <p>Colour.....white</p> <p><b>N.B.:</b> <i>Slight variations in colour may occur but these do not affect the final properties of the product.</i></p> <p>Specific gravity at 25 °C, approx..... 2.2</p> <p>Penetration worked 60 strokes, 1/10<sup>e</sup> mm, approx..... 280 (Standards NF T 6012 - ASTM D 217, DIN 51804)</p> <p>Penetration unworked, 24 h-1/10<sup>e</sup> mm, approx.....270 (Standards NF T 6012 - ASTM D 217, DIN 51804)</p> <p>Bleed after 24 h at 200 °C, %..... &lt; 1.5</p> <p>Evaporation after 24 h at 200 °C, %..... &lt; 1.5</p> <p><b>2. Thermal properties</b></p> <p>Maximum continuous operating temperature, °C..... + 250</p> <p>Minimum continuous operating temperature, °C ..... - 40</p> <p><b>N.B.</b> <i>These thermal properties are not restrictive: shorter exposure times, when in peak operating conditions authorise use at higher temperatures.</i></p> <p>Thermal conductivity at 25 °C, W/mK..... 0.41</p> <p><b>3. Dielectric properties</b></p> <p>Dielectric strength, kV/mm, approx..... 15 (Standards NF C 26225 - ASTM D 419 - IEC 243)</p> <p>Dielectric constant at 1 kHz, approx..... 3.5 (Standards NF C 26230 - ASTM D 150 - IEC 250)</p> <p>Power factor 1 kHz, approx..... 5.10<sup>-3</sup> (Standards NF C 26230 – ASTM D 150 - IEC 250)</p> <p>Volume resistivity, Ω.cm.....&gt; 1.10<sup>13</sup> (Standards NF C 26215 – ASTM D 257 - IEC 93)</p>

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<b>Processing</b>	<p>It is recommended to apply <b>BLUESIL PAST 340</b> onto clean and dry surfaces (degreased if necessary).</p> <p><b>BLUESIL PAST 340</b> is applied with a brush, with a paint brush, with a spatula or with a paste gun.</p> <p><b>BLUESIL PAST 340</b> can be diluted in aliphatic or chlorinated solvents to facilitate its application when being applied in thin coats.</p>
<b>Packaging</b>	<ul style="list-style-type: none"><li>- 200 g tubes on pallets of 1,600 units</li><li>- 2 kg tubs on pallets of 192 units</li><li>- 50 kg pails on pallets of 10 units</li></ul>
<b>Storage and shelf-life</b>	<p>When stored in its original unopened packaging at a temperature between + 2°C and + 50°C, <b>BLUESIL PAST 340</b> can be used for up to 18 months after its date of manufacture (expiry date).</p> <p>Comply with storage instructions and expiry date marked on the packaging. Past this date, Bluestar Silicones no longer guarantees that the product meets sales specifications. Furthermore, <b>BLUESIL PAST 340</b> should be stored in a cool, dry place.</p>
<b>Safety</b>	Consult the Safety Data Sheet for <b>BLUESIL PAST 340</b> .

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