Medium-hard high solid phenylmethyl silicone resin in solvent.

Potential Uses
Binder for anticorrosion coatings with thermal stability up to 600°C.

Form Supplied
Approx. 75% in xylene (technical): butanol = 4 : 1

Potential Applications
The main fields of application are the coating of machine components, engine manifolds, car exhaust silencers, drying units etc. For this, use is made chiefly of one-coat finishes. Systems of this kind are also applied for the sealing of spray-metallized surfaces.

Drying
Coatings formulated with CoatOSil P 576 Resin dry tack-free even at room temperature, yielding films with good mechanical resistance, weather stability and corrosion resistance. Optimum mechanical properties and resistance to oil and petrol can however be expected only after exposure to temperatures above 200°C, for about one hour. To improve drying at room temperature, we recommend the addition of approximately 3% high molecular weight ethyl cellulose, calculated on the solid binder*

Typical Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity, 23°C, DIN 53 015</td>
<td>600 - 1300 mPa*s</td>
</tr>
<tr>
<td>Iodine color value, DIN 6162</td>
<td>max. 4</td>
</tr>
</tbody>
</table>

*CoatOSil is a trademark of Momentive Performance Materials Inc.
**Pigments**

Use of Aluminium bronze and Micaceous iron oxide is recommended. Micaceous iron oxide coatings can be tinted with suitable heat-resistant inorganic color pigments.

A long-term thermal stability up to 600°C can be achieved with aluminium bronze or micaceous iron oxide.

Black coatings should preferably be pigmented with Bayferrox 303 T and Fast Black 100.

The long-term heat resistance of such systems is 550 - 600°C.

The shelf life of coating formulations, prepared according to our recommendation, is generally 3 - 6 months.

The use of zinc dust is not recommended.

**Solubility**

<table>
<thead>
<tr>
<th>Solvent Type</th>
<th>Solubility (or Insoluble)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aliphatic hydrocarbons</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Aromatic hydrocarbons</td>
<td>Soluble</td>
</tr>
<tr>
<td>Alcohols</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Esters</td>
<td>Soluble</td>
</tr>
<tr>
<td>Ketones</td>
<td>Soluble</td>
</tr>
<tr>
<td>Glycol ethers</td>
<td>Soluble</td>
</tr>
</tbody>
</table>

**Compatibility**

<table>
<thead>
<tr>
<th>Coating Type</th>
<th>Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>CoatOSi Resin M range</td>
<td>Incompatible</td>
</tr>
<tr>
<td>CoatOSi Resin UD range</td>
<td>Partly compatible</td>
</tr>
<tr>
<td>Resin Organic binders</td>
<td>Partly compatible</td>
</tr>
</tbody>
</table>

**Packing**

200 kg steel drums, 18kg pails

**Patent Status**

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

**Product Safety, Handling and Storage**

**Storage:** When stored in its original, unopened container at 25°C, CoatOSi P 576 Resin has a shelf life of 360 days, from the date of manufacturing.

Please read the use-before/expiry date on the product label and certificate.

**Safety:** As the product contains solvents, the relevant regulations on the handling of such products should be observed.

Customers considering the use of this product should review the latest Material Safety Data Sheet and label for product safety information, handling instructions, personal protective equipment if necessary, and any special storage conditions required. Material Safety Data Sheets are available at www.momentive.com or, upon request, from any Momentive Performance Materials representative. Use of other materials in conjunction with Momentive Performance Materials products may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

**Limitations**

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.
Emergency Service

Momentive Performance Materials maintains an around-the-clock emergency service for its products. The American Chemistry Council (CHEMTREC) and CareChem24 International also maintain an around-the-clock emergency service for all chemical products:

<table>
<thead>
<tr>
<th>Location</th>
<th>Momentive Performance Materials Products</th>
<th>All Chemical Products</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mainland U.S., Puerto Rico</td>
<td>518.233.2500</td>
<td>CHEMTREC: 800.424.9300</td>
</tr>
<tr>
<td>Alaska, Hawaii</td>
<td>518.233.2500</td>
<td>CHEMTREC: 800.424.9300</td>
</tr>
<tr>
<td>Canada</td>
<td>518.233.2500</td>
<td>CHEMTREC: 800.424.9300</td>
</tr>
<tr>
<td>Europe</td>
<td>+518.233.2500 (Albanian, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Lithuanian, Norwegian, Polish, Portuguese, Romanian, Russian, Serbo-Croatian, Slovak, Spanish, Swedish, Turkish, Ukrainian)</td>
<td>+44.(0)208.762.8322 (UK)</td>
</tr>
<tr>
<td>Middle East,</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All countries, except Israel</td>
<td>+518.233.2500</td>
<td>+961.3.487.287 (Lebanon)</td>
</tr>
<tr>
<td>Middle East, Israel</td>
<td>+518.233.2500</td>
<td>+44.(0)208.762.8322 (UK)</td>
</tr>
<tr>
<td>Latin America, Asia/Pacific, all other locations worldwide</td>
<td>+518.233.2500</td>
<td>CHEMTREC: +1-703.527.3887 (collect)</td>
</tr>
<tr>
<td>At sea</td>
<td>Radio U.S. Coast Guard, which can directly contact Momentive Performance Materials at 518.233.2500 or CHEMTREC at 800.424.9300.</td>
<td></td>
</tr>
</tbody>
</table>

DO NOT WAIT. Phone if in doubt. You will be referred to a specialist for advice.
CUSTOMER SERVICE CENTERS

North America  E cs-na.silicones@momentive.com
• Specialty Fluids  T +1.800.523.5862  F +1.304.746.1654
• UA, Silanes and Specialty Coatings  T +1.800.334.4674  F +1.304.746.1623
• RTVs and Elastomers  T +1.800.332.3390  F +1.304.746.1623
• Consumer Sealants & Construction  T +1.877.943.7325  F +1.304.746.1654
Sealants and Adhesives

Latin America  E cs-la.silicones@momentive.com
• Argentina & Chile  T +54.11.4862.9544  F +54.11.4862.9544
• Brazil  T +55.11.4534.9650  F +55.11.4534.9660
• Mexico & Central America  T +52.55.2169.7670  F +52.55.2169.7699
• Venezuela, Ecuador, Peru, Colombia & Caribbean  T +58.212.285.2149  F +58.212.285.2149

Europe, Middle East, Africa and India  E cs-eur.silicones@momentive.com  T +00.800.4321.1000
T +40.21.3111848

Pacific  E cs-ap.silicones@momentive.com
• China  T +1.800.820.0202 or F +86.21.5079.3725
T +86.21.3860.4892
• Japan  T +0120.975.400 or F +81.276.31.6259
T +81.276.20.6182
• Korea  T +82.2.6201.4600  F +82.2.6201.4601
• Malaysia  T +60.3.9206.1532  F +60.3.9206.1533
• Thailand  T +662.207.3456  F +66.2207.3488

Worldwide Hotline  T +1.607.786.8131  F +1.607.786.8309
T +1.800.295.2392

Visit us at Momentive.com

Momentive Performance Materials
22 Corporate Woods Boulevard
Albany, NY 12211

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