**Product Information**
High Performance Lubricants

**Molykote® PA-744**
Anti-Friction Coating

**FEATURES**
- Extreme wear resistant coating with high load-carrying capacity
- Good resistance to motor oils
- Applicable at operating temperatures from -75°C to +300°C (-103°F to +572°F)

**APPLICATIONS**
- Excellent long-term lubricating film for pistons used in automotive air conditioner compressors; gasoline and diesel engine pistons; and pistons used in pumps, pneumatic and hydraulic systems, etc.
- Coating helps to reduce piston and cylinder wall wear during initial run-in and cold start situations.

**TYPICAL PROPERTIES**
Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>charcoal gray</td>
</tr>
<tr>
<td>Viscosity, cps</td>
<td>23,000</td>
</tr>
<tr>
<td>Density (at 25°C), g/ml</td>
<td>1.21</td>
</tr>
<tr>
<td>Flash Point, °C (°F)</td>
<td>34 (93)</td>
</tr>
<tr>
<td>Cure Time,</td>
<td></td>
</tr>
<tr>
<td>at 180°C (356°F), minutes</td>
<td>90</td>
</tr>
<tr>
<td>at 230°C (446°F), minutes</td>
<td>60</td>
</tr>
<tr>
<td>Coverage, at 10 microns cured film thickness, ft²/lb</td>
<td>60</td>
</tr>
</tbody>
</table>

As Cured
- Coefficient of Friction (Polymer-Tester: 50 cycles, 250g., 20mm stroke) 0.045
- Temperature range, °C (°F) -75 to 300 (-103 to 572)

**DESCRIPTION**
*Molykote® PA-744* Anti-Friction Coating is a dispersion of a selected blend of solid lubricants in an organic resin-solvent system

**HOW TO USE**
Stir well before use. Clean and degrease metal surfaces before application. *Molykote® PA-744* is formulated for application by screen print process. Recommended film thickness is 10 - 20 microns. To adjust coating viscosity, the material should be diluted with n-methylpyrrolidone (NMP) solvent.
HANDLING PRECAUTIONS
Product safety information required for safe use is not included. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information. The material safety data sheet is available on the Dow Corning website at www.dowcorning.com. You can also obtain a copy from your local Dow Corning sales representative or Distributor or by calling your local Dow Corning Global Connection.

USABLE LIFE AND STORAGE
Molykote® PA-744 has a shelf life of 9 months when kept in its original sealed container at temperatures above -18°C (0°F).

PACKAGING
Molykote® PA-744 is supplied in 0.8 liter (1.0 kg) cans and 18 liter (21.8 kg) open-top pails.

LIMITATIONS
This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

HEALTH AND ENVIRONMENTAL INFORMATION
To support Customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our website, www.dowcorning.com or consult your local Dow Corning representative.

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