Silicone Fluid 
XF42-334

XF42-334 is a methyl alkyl-aralkyl functional silicone fluid useful for lubricating, hydraulic and release applications.

**KEY PERFORMANCE PROPERTIES**
♦ Good lubricity
♦ Excellent release property
♦ Excellent thermal stability
♦ No mineral acid formation
♦ Good viscosity-temperature characteristics
♦ Paintability

**APPLICATION**
♦ Aluminum die-casting mold release
♦ Lubrication impregnant for sintered-bronze, stainless steel and iron bushings
♦ Lubricant or release agent for rubber on rubber, rubber on plastics, plastics on plastics
♦ Paint additives for leveling improvement
♦ Raw material for defoaming agent

**TYPICAL PROPERTY DATA**

<table>
<thead>
<tr>
<th>PROPERTIES</th>
<th>Light brown, transparent</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specific gravity (25°C)</td>
<td>1.00</td>
<td></td>
</tr>
<tr>
<td>Viscosity (25°C)</td>
<td>mm²/s (cSt)</td>
<td>1,300 (1,300)</td>
</tr>
<tr>
<td>VTC*</td>
<td>0.77</td>
<td></td>
</tr>
<tr>
<td>Refractive index (n₀ 25)</td>
<td>1.490</td>
<td></td>
</tr>
<tr>
<td>Surface tension (25°C)</td>
<td>mN/m (dyn/cm)</td>
<td>27.5 (27.5)</td>
</tr>
<tr>
<td>Pour point</td>
<td>°C</td>
<td>-40 max</td>
</tr>
<tr>
<td>Flash point</td>
<td>°C</td>
<td>326</td>
</tr>
<tr>
<td>Weight loss (150°C, 24h)</td>
<td>%</td>
<td>2.0</td>
</tr>
</tbody>
</table>

*VTC (Viscosity Temperature Coefficient) = 1 - Viscosity at 98.9°C / Viscosity at 37.8°C

*Typical property data values should not be used as specifications.*
CHMICAL STRUCTURE

\[
\begin{align*}
\text{(CH}_3\text{)}_3\text{Si} & \text{O} \quad \text{Si} & \text{O} \quad \text{Si} & \text{O} & \text{Si}(\text{CH}_3)_3 \\
\text{R} & \text{m} & \text{R'} & \text{h}
\end{align*}
\]

R: Alkyl group
R': Aralkyl group

SOLUBILITY

<table>
<thead>
<tr>
<th>Soluble</th>
<th>Toluene, Mineral spirits, Methyl ethyl ketone, Liquid paraffin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insoluble</td>
<td>Isopropanol, Methyl cellosolve, Water, Dimethyl silicone fluid</td>
</tr>
</tbody>
</table>

HANDLING AND SAFETY

♦ Wear eye protection, protective gloves at all times when working with this product.
♦ Use the product in a well ventilated area

STORAGE

♦ Store in a dark, cool place out of direct sunlight.
♦ Keep out of the reach of the children.

PACKAGING

♦ 15kg can available
♦ 200kg drum

FOR INDUSTRIAL USE ONLY

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