Tufel* II 94605

Description
Tufel II Silicone Rubber Compounds 94405, 94505, 94605, and 94705 are 40-70 durometer low volatile fast-cure addition cured silicone elastomers for molding. They may be used by themselves or blended to intermediate durometers. Applications include fabricated molding that require short cycle time, deep section cures, and parts with low extractable requirements.

Key Features and Typical Benefits
- LV Bases Minimize Post Cure Times
- Totally Peroxide-Free Cure System
- Significant Reduction in Molding cycle Times
- Lower Molding Temperature Range (150-166ºC) (300-330ºF)
- Superior Mixed Shelf Life
- High Tear Strength
- Tight Surface Cure
- Non-blooming
- Translucency

Typical Physical Properties
TYPICAL CHARACTERISTICS OF UNCURED TUFEL II SILICONE RUBBER - 94005 SERIES

<table>
<thead>
<tr>
<th>PROPERTIES</th>
<th>94405</th>
<th>94505</th>
<th>94605</th>
<th>94705</th>
</tr>
</thead>
</table>

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<table>
<thead>
<tr>
<th>Specific Gravity</th>
<th>1.11</th>
<th>1.15</th>
<th>1.19</th>
<th>1.23</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Translucent</td>
<td>Translucent</td>
<td>Translucent</td>
<td>Translucent</td>
</tr>
<tr>
<td>Polymer Classification (ASTM D-1418)</td>
<td>VMQ</td>
<td>VMQ</td>
<td>VMQ</td>
<td>VMQ</td>
</tr>
</tbody>
</table>

TYPICAL RHEOLOGICAL PROFILE - MONSANTO ODR WITH 3° ARC @ 150°C (300°F)

<table>
<thead>
<tr>
<th>Minimum Viscosity</th>
<th>1-6</th>
<th>2-5</th>
<th>2-7</th>
<th>2-7</th>
</tr>
</thead>
<tbody>
<tr>
<td>T1, Minutes</td>
<td>0.5-1.0</td>
<td>0.5-1.0</td>
<td>0.5-1.0</td>
<td>0.5-1.0</td>
</tr>
<tr>
<td>T1, Minutes</td>
<td>33-48</td>
<td>32--52</td>
<td>32--52</td>
<td>60-90</td>
</tr>
</tbody>
</table>

TYPICAL PHYSICAL PROPERTIES OF TUFEL II SILICONE RUBBER - 94005 SERIES

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### Regulatory Compliance

- A representative sample of an analogous product to Tufel II 94605 met the requirements of USP Class VI and ISO 10993 under Good Laboratory Practices (GLP).
- Listed as UL 94 HB (File No. E205753)
- The ingredients are listed in the BfR recommendation XV “Silicones” \(^{(1)}\)
- Compositionally compliant with 21 CFR 177.2600 – Rubber articles intended for repeated use\(^{(2)}\)

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(1) Producer of the final article needs to test and confirm that the final product meets the extraction limits of BfR XV or corresponding EU legislation.

(2) It is the responsibility of the user to determine that the final product complies with the extractive limitations and other requirements of 21 CFR 177.2600, under their specific manufacturing procedures.

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.

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Limitations
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