The Next Generation Liquid Silicone Rubber is Here

Advancing Silicone Molding with LSR SELECT™

The next generation of liquid silicone rubber (LSR) is here, offering advancements in speed, flexibility and efficiency to optimize your silicone molding process, improving your performance and competitiveness.

LSR SELECT™ is a patented, advanced system of LSR materials that enables you to achieve multiple capabilities all in one solution, including:

**Improvements in Productivity**
- LSR SELECT™ enables you to optimize your cure kinetics resulting in improved cycle times in the range of 15-40 percent.¹

**Formulation Flexibility**
- You can custom blend LSR SELECT™ in line to obtain your desired durometer performance from 20 to 70

**Low Temperature Cure**
- With LSR SELECT™, you can achieve cure at temperatures as low as 80°C and below.³

<table>
<thead>
<tr>
<th>Key Features</th>
<th>Advantages</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Optimized Cure Kinetics</td>
<td>Improved cycle times</td>
<td>Production Cost Savings</td>
</tr>
<tr>
<td>Custom Blending</td>
<td>Flexibility to achieve precision performance</td>
<td>Unique offering and more consistent part quality</td>
</tr>
<tr>
<td>Better Process Control</td>
<td>Improved part appearance</td>
<td>Higher quality output</td>
</tr>
<tr>
<td>Increased throughput</td>
<td>Increase equipment capacity</td>
<td>Growth in part making capacity and profitability</td>
</tr>
<tr>
<td>Available in healthcare grade</td>
<td>Backed by Silbione® brand including clean manufacturing and biocompatibility support</td>
<td>Peace of Mind</td>
</tr>
</tbody>
</table>

¹²³ Based upon data generated in process trials and case studies conducted in Elkem Silicones Technical Center and at customer and partner locations.

LSR SELECT™ delivering your potential Silicones
LSR SELECT™ Offers High Performance Physicals to Meet Your Needs

<table>
<thead>
<tr>
<th>Typical Properties</th>
<th>ASTM</th>
<th>LSR SELECT™ 20</th>
<th>LSR SELECT™ 35</th>
<th>LSR SELECT™ 50</th>
<th>LSR SELECT™ 70</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>TP 038</td>
<td>Clear</td>
<td>Clear</td>
<td>Clear</td>
<td>Clear</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>TP 013</td>
<td>1.09</td>
<td>1.10</td>
<td>1.11</td>
<td>1.13</td>
</tr>
</tbody>
</table>

Press Cured, 5 minutes, 177°C (350°F), @ 1% CONTROL:

<table>
<thead>
<tr>
<th></th>
<th>ASTM</th>
<th>LSR SELECT™ 20</th>
<th>LSR SELECT™ 35</th>
<th>LSR SELECT™ 50</th>
<th>LSR SELECT™ 70</th>
</tr>
</thead>
<tbody>
<tr>
<td>Durometer Hardness, Shore A</td>
<td>D2240</td>
<td>21</td>
<td>34</td>
<td>50</td>
<td>69</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>D412</td>
<td>1300 (8.9)</td>
<td>1370 (8.1)</td>
<td>1230 (8.5)</td>
<td>1130 (7.8)</td>
</tr>
<tr>
<td>Elongation, %</td>
<td>D412</td>
<td>850</td>
<td>700</td>
<td>550</td>
<td>375</td>
</tr>
<tr>
<td>Tear strength</td>
<td>D624</td>
<td>160 (28)</td>
<td>170 (29)</td>
<td>260 (45)</td>
<td>240 (42)</td>
</tr>
<tr>
<td>Modulus, 100%</td>
<td>D412</td>
<td>60 (0.42)</td>
<td>115 (0.8)</td>
<td>350 (2.4)</td>
<td>490 (3.4)</td>
</tr>
</tbody>
</table>

Typical properties reported above are press cured 5 minutes @177°C (350°F) @ 1% CONTROL. Typical properties listed above are not intended for any particular application of Elkem Silicone materials. User has sole responsibility to determine product suitability for intended uses and applications.

Easy-to-Process Solution

LSR SELECT™ is a single component base polymer that cures when mixed with LSR SELECT™ CONTROL and CATA, utilizing LSR SELECT™ friendly dosing systems.

Available in 20, 35, 50 and 70 ShA hardnesses, the single component base polymers may be blended to achieve a custom formulation of specific hardness.

By selecting the CONTROL load level in process, you have control over the cure kinetics, enabling you to speed up or slow down the cure for the specific part you are molding.

LSR SELECT™ offers easy start up and shutdown, with no kit matching or off-ratio purging needed, resulting in a more efficient process with less waste.

Elkem Silicones. Delivering your Potential with a Personal Touch.

A team of silicone experts is readily available to help you discover the power LSR SELECT™ offers. Call 1-866-474-6342 for more information.

Elkem Silicones has more than 3,100 employees dedicated to providing silicone solutions with a personal touch that deliver your potential. Elkem Silicones, a division of Oslo-based Elkem ASA, is one of the world’s leading fully integrated silicone suppliers, operating 9 multi-functional manufacturing sites and 11 R&D centers around the globe. Based in Lyon, France, Elkem Silicones offers a full range of silicone technologies for diverse specialty markets including aerospace, automotive, construction, consumer goods, energy, healthcare, paper, personal care and textiles.

www.silicones.elkem.com