Product Information Sheet

Silcosperse® IMR-280 Internal mold release dispersion for Silicone Rubber

General Information
An internal mold release (IMR) is designed to be added to the silicone compound to facilitate the de-molding of finished parts. Unlike spray-on external mold releases which can be difficult if not impossible to apply to undercuts, an IMR is carried to every surface of the mold that comes into contact with the rubber compound. In many cases the use of an IMR can reduce or eliminate the use of conventional spray on “lubes” along with the subjective production variables associated with them.

Traditional IMR’s for silicone rubber are based upon various stearates which adversely affect the compression set of silicone compounds even when used in minimal amounts. Compression set is less affected by Silcosperse® IMR-280 when used at the recommended levels.

Silcosperse® dispersions eliminate the problems associated with messy, hard to handle chemicals. They allow for faster, easier weigh-up and incorporation into the compound.

Typical Characteristics

<table>
<thead>
<tr>
<th>Recommended Level</th>
<th>Specific Gravity</th>
<th>Color</th>
<th>Contains Heavy Metals</th>
<th>FDA (21 CFR 177.2600)</th>
<th>Polymer Binder Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5 - 1.0 pphr</td>
<td>1.10 +/- .10</td>
<td>Off-White</td>
<td>No</td>
<td>No</td>
<td>VMQ</td>
</tr>
</tbody>
</table>

Specifications
Typical Characteristics are not intended for use in preparing material specifications. For assistance please contact GSDI before writing specifications.

Storage & Handling
Avoid excessive heat and humidity. Storage below 32°C (90°F) is recommended.

Safety & Handling
See Material Safety Data Sheet

Ordering Information
Silcosperse® IMR 280 is available in 5 lb. and 50 lb. boxes. Bulk packaging is also available.