



## **PRODUCT INFORMATION SHEET**

### ***SILCOSPERSER® 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 demolding 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 “lubers” 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**

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

#### **Specifications**

Typical Characteristics are not intended for use in preparing material specifications. For assistance please contact Gayson SDI 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 10 lb. and 50 lb. boxes. Bulk packaging is also available.