

BIO-SIL

Antifoams & Emulsions

BIO-SIL SRE60

Silicone Release Emulsion

TECHNICAL DATA SHEET

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PRODUCT DESCRIPTION

BIO-SIL SRE60 is a 60% non-ionic emulsion of polydimethylsiloxane. It has been formulated for easy addition of a hydrophobic silicone polymer to an aqueous system. BIO-SIL SRE60 can be used as a lubricity aid and anti-smearing for processing machines. It also allows for excellent release of plastics, rubber and other materials and imparts excellent water repellency to glass fibre products and mineral wool. BIO-SIL SRE60 is enhanced to improve slip, water repellency, lubricity and release properties.

COMMON AREAS OF USE

- Plastics/rubber industry
- Glass fibre/mineral wool Industry
- Good lubricity effect in offset printing
- Excellent release
- Imparts shiny appearance
- Easy to formulate
- Compatible with most plastics
- At higher levels imparts water repellency
- Durability in most applications

TYPICAL SPECIFICATIONS

Appearance	Off white – milky
Active Silicone content [%]	60
*Specific Gravity [@ 20°C]	0.97 – 0.99
*pH range	5.5 – 7.5
Base fluid viscosity (cSt) at 25°C	350
Surfactant	Non-Ionic
*Viscosity at 25°C [Mpas]	1050 – 1450
Packaging	25Kg Pail 200Kg Drum 1000Kg Tote

*Typical product data values should not be used as specifications

PLEASE NOTE

- Testing before formulating should be carried out as systems vary.
- Material Safety Data Sheets are available upon requests.
- The shelf life period without testing is 12 months from date of manufacture, if stored in the original unopened container at 2°C to 39°C.
- Emulsions have the tendency to separate when stored for extended periods; this does not indicate shelf life failure, after mild agitation this emulsion will still perform effectively.

LEGAL DISCLAIMER: Each user bears the full responsibility for making its own determination as to the suitability of Supplier material, products, services, recommendations or advice for its own particular purposes. Each user must identify and perform test and analysis sufficient to assure its finished parts will be safe and suitable for use under end-use conditions. Because actual use of products by the user is beyond the control of Supplier, such use is within the exclusive responsibility of the user, and supplier cannot be held responsible for any loss incurred through incorrect or faulty use of the products. Further, no statement contained herein concerning a possible or suggested use of any material product, service or design is intended or should be construed to grant any license under any patent or other intellectual property right of Supplier or any of its subsidiaries or affiliated companies, or as a recommendation for the use of such material, product, service or design in the infringement of any patent or other intellectual property right.