

EM1039 (Alsilon 645) Silicone Emulsion 35% Active

Introduction

Emulsion **EM1039** is a water dilutable **35 %** silicone fluid emulsion, employed as a releasing agent for rubber and generally plastic materials. In art graphic industry it is mainly used as antistatic and slip agent, it confers resistance to scratching during paper folding processes and protection to mechanical components.

Key Features

- **General purpose release agent**
- **Good dilution stability**
- **Minimal build up on moulds**
- **Good antistatic properties**

Applications

Emulsion **EM1039** has been formulated specially as a release agent and lubricant in a wide range of applications and processes such as:

- mould release agent
- release agent for bandaging of rubber tubes in vulcanisation process
- textile lubricant for yarn and thread as well as hosiery manufacture
- lubricant and antistatic in rotogravure off-set printing
- release agent for plastic tubes used to form bags and sacks
- gloss, slip and wettability in detergent and cleaner formulations

How to Use

Emulsion **EM1039** can be used either as supplied or diluted with water to the desired concentration, depending on the characteristics of the release and lubricant properties desired. Dilutions of emulsion are stable, if the diluted emulsion is separated it is recommended to gently stir the emulsion to homogenize the system.

Concentration of **EM1039** required for good release and lubricant properties depends on the process where it is employed. If there is no previous experience of a foam problem, it is generally suggested to start with a dilution of 1 part of Emulsion **EM1039** to 10 parts cold water and then to adjust the amount upwards or downwards in order to determine the most cost effective concentration.

In the graphic industry dilution required is usually 1:20 but this can vary depending on the kind of paper used.

Property*

Colour:
Appearance:
Emulsifier Type:
Density at 25°C:
pH:

Test Method

BS 5350 Part B1

Value
White
Milky Liquid
Non-Ionic
0.98
6.5-8.5

Solids Content:
Active Content:

39 %
35 %

Base fluid viscosity

Brookfield

350 cst

FDA Approved
Silicone
Reactivity

No
Yes
None

Suitable Diluents

Water

Health and Safety

Available on request

Packages

200 kg. Drums; 1000 kg. IBC

Storage and Shelf Life

Over six months. This product should be stored between 5 and 30°C in clean sealed containers. The product should not be allowed to freeze.

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* The details are merely typical properties not specifications.

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