

EM 1039 Emulsion

Introduction

Emulsion EM 1039 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
- Minimum build-up on mould
- Moulded parts not discoloured
- Good dilution stability
- Good lubricant and antistatic properties
- Chemically inert

Applications

Emulsion EM 1039 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 EM 1039 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 EM 1039 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 EM 1039 to 50 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*	Test Method	Value
Colour:		Milky white
Appearance:		Liquid
Emulsifier Type:		Non-ionic
Base Fluid Viscosity:	Brookfield	350 mm ² /s
Density (at 25°C):	BS 5350 Part B1	0.98 g/cm ³
pH:		6.5 – 8.5
Solids Content:		37 - 39 %
Active Content:		35 ± 1 %

* The details are merely typical properties not specifications.

Suitable Diluents

Water

Health and Safety

Available on request

Packages

100 - 200 kg Drums; IBC 1000 kg.

Storage and Shelf Life

Over twelve 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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