

TE352 FG () 35% Antifoam For Food Contact Applications

Introduction

Emulsion **TE352 FG** is a water dilutable **35 %** silicone fluid emulsion, employed as a releasing agent for food packaging manufacture, 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.

In the graphic industry dilution required is usually 1:20 but this can vary depending on the kind of paper used. TE-352 may induce stress cracking in brittle materials such as orientated polystyrene (OPS), please contact your regional sales manager for OPS contact applications. All applications should be thoroughly evaluated prior to commercial use.

Key Features

- **Certified Kosher and Pareve by Atlanta Kashruth Commission**
- **FDA Approved**
- **Freeze/thaw stable 5 cycles +**
- **Solvent free and Chemically inert**

Applications

Emulsion **TE352 FG** has been formulated specially as a release agent and lubricant in a wide range of applications and processes such as:

- mould release agent for food packaging materials produced from thermoplastics, polypropylene (PP), amorphous polyester (APET), polyvinylchloride (PVC)
- 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 **TE352 FG** 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 **TE352 FG** 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 **TE352 FG** to 50 parts cold water and then to adjust the amount upwards or downwards in order to determine the most cost effective concentration.

Property*	Test Method	Value
Appearance:		White liquid
pH:		3 to 4
Active Content:		35 %
FDA Approved		Yes
Silicone		Yes

* The details are merely typical properties not specifications.

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.

Revision Date: 20/04/2010

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