

# VENTO DISTRIBUTOR

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## E-22

Nano Silicone Emulsion

### Characteristics

E-22 is an O/W emulsion of a polydimethylsiloxane dispersed in water. It is readily incorporated into cold-stirred formulations.

### Application

E-22 is a special, finely dispersed formulation of a very high viscosity dimethylpolysiloxane in water.

The emulsion is extremely stable, so that even highly diluted ready-to-use solutions are indifferent to shear forces. Its wetting and spreading properties are excellent. Thus, also in case of using low ready-to-use concentrations there will be an even and smooth film.

The active ingredient - dimethylpolysiloxane- exhibits very high release properties and is resistant to mechanical stress.

- general-purpose release agent for rubber vulcanization.
- ironing aid in aerosol formulations of starch.
- additive to the remoistening water in offsetprinting
- release agent for foundries (hot box method)
- Paint additive application.

### Processing

E-22 is diluted with water to a solid content of 0.5 to 5%. That means, between 80 and 8 parts of water are added to 1 part E 22. The diluted emulsion can be applied by dipping, brushing or spraying. The spraying application with the usual pneumatic spray equipment is preferred, as this is the most economical method to get an even release agent film.

### Product data :

|                      |           |                      |              |
|----------------------|-----------|----------------------|--------------|
| Appearance           |           |                      | milky        |
| Emulsifying system   |           |                      | anionic      |
| Type of emulsion     |           |                      | oil in water |
| Density              | DIN 51757 | [g/cm <sup>3</sup> ] | approx. 1    |
| pH-value             |           |                      | 7.5 - 8.5    |
| Non volatile content |           | [ % ]                | 41 - 44      |
| Particle size max.   |           | [ nm ]               | <150         |

Origin EU

Packing : 200kgs/drum.

### Additional information

Silicone fluid emulsions should be homogenized before use, since a concentration gradient may occasionally form if they are left to stand for long periods.

### Storage

E-22 has a shelf life of at least 6 months when stored between 5°C and 30°C in the tightly closed original container. The 'Best use before end' date of each batch appears on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

### Safety information

Detailed safety information is contained in each material safety data sheet, which can be obtained from our sales offices.