

Mold release agent DAIFREE GW-8500

 TECHNICAL
DATASHEET

DAIFREE GW-8500 is an aqueous fluorocarbon mold release agent, without silicone.

It is preferred for molding parts used in and around electronic components in which conductivity is a concern.

Summary

- **Excellent release performance.** As it forms a thin film on mold, **precision release** is achievable.
- The compositions **comply with environmental regulations.**
- Due to the dry coating film, the **transition to molded part is lower**, and minimizes any tackiness.
- **Productivity improves** with less mold stains and mold wash cycles.
- Suitable for rubber with "peroxide vulcanization."

General properties

Item	Unit
Appearance	milky white liquid
Specific gravity	1.00 (25°C)
Solid content	3 mass%
Solvent	Water
Recommended dilution ratio	10-30 times or more
Diluent	Water *1(ion-exchange water, tap water)
Classification	non-hazardous material

The above values are representative values and not guaranteed values.

*1 Avoid using groundwater or industrial water. Stability may be reduced after dilution.

We recommend using ion-exchange water, as tap water in some areas contains metal ions.

Application

Various types of rubber : SBR, NBR, EPDM, FKM, CR, ACM, etc.

Method of use

(1) Dilution

Dilute moderately with water (ion-exchange water is recommended) and mix evenly.

Some of the ingredients may settle, so please stir well before use.

Usage should be commenced soon after dilution. Avoid long-term storage with diluent.

(2) Apply Procedures

-For the first time, remove the old mold release agent from the mold.

Refer next to: "**Mold cleaning method**"

- Apply a uniform coating film by using an air spray device or cloth.

It is ideal to spray 2 -3 times lightly with less concentration rather than applying high concentration once.

Please keep in mind that excessive use of mold release agents is a common cause of mold stains.

Please evaluate an appropriate amount by a few trials.

(3) Mold cleaning method

- For simple stains, old mold release agents can be removed by wiping off with solvents such as "Toluene" or "Acetone".
- Alkaline cleaning agents are also effective for complete removal.

Recommended Temperature Range

Room temperature up to 200°C

Handling / Safety Information

- Be sure to read the Safety Data Sheet (SDS) and precautions on the label before using.
- This product has been developed for industrial purposes and we do not guarantee the safety if used for any other purpose.
- If the product is intended to be used for medical or food applications, please contact us in advance.

Package size

15kg (Plastic drum)

For more information, visit our website.

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