

KF-7312K

version 2012/9/12 Shin-Etsu Chemical Co., Ltd.

KF-7312K Trimethylsiloxysilicate

Film Former

| Features & Advantages | Hard film former |
|-----------------------|---|
| | Water resistant effect |
| | Non transfer effect |
| Applications | • Make-up |
| | Sunscreen |
| Percentage of use | 0.5-10 % |
| INCI name | TRIMETHYLSILOXYSILICATE (AND) DIMETHICONE |
| ■ Structure Q u | $\begin{array}{c} \begin{array}{c} & & CH_3 \\ H_3C-Si-CH_3 \\ H_3C-Si-CH_3 \\ \hline \end{array} \\ \begin{array}{c} \text{M unit} \\ H_3C-Si-CH_3 \\ \hline \end{array} \\ \begin{array}{c} \text{O} \\ \text{O} \\ -O-Si-O-Si-O-Si-O- \\ \hline \\ O \\ -O-Si-O-Si-O-Si-O-Si-CH_3 \\ \hline \\ CH_2 \end{array}$ |

Characteristics

| Properties | Unit | Values | Standard method / condition |
|-----------------------------------|-------|---------------------|-----------------------------|
| Appearance (color) | — | Colorless | Visual observation |
| Appearance (transparency) | — | Transparent to hazy | Visual observation |
| Appearance (texture) | — | Liquid | Visual observation |
| Percentage of active raw material | % | 60 | |
| Viscosity | mm²/s | 5,000 | Cannon fenske viscosimeter |
| Specific gravity | — | 1.070 | Densimeter |
| Refractive index | — | 1.410 | Refractometer |
| | 1 | | (Not specific values) |

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Technical Data Sheet

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| Solubility / compatibility | Information not available. | | |
|----------------------------|---|--|--|
| Processing (How to use) | The product is ready to use. | | |
| Packaging | 18 kg can | | |
| Storage | The silicone products may deteriorate when it comes in contact with heat, light, acid, alkaline, etc. | | |
| | Be sure to seal tightly and store in a cool dark place away from heat and flame. | | |
| ■ Safety | Please consult our MSDS. | | |

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