

# Technical Data Sheet

|                  |                                                                                              |                    |                                                                                                                                                                                                                                                                                                                                  |
|------------------|----------------------------------------------------------------------------------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name             | Dimethicone                                                                                  |                    |                                                                                                                                                                                                                                                                                                                                  |
| CAS No.          | 9006-65-9                                                                                    | Structural Formula | <div><math display="block">\begin{array}{c} \text{CH}_3 \\   \\ \text{H}_3\text{C}-\text{Si}-\text{O}-\left[\begin{array}{c} \text{CH}_3 \\   \\ \text{Si}-\text{O} \\   \\ \text{CH}_3 \end{array}\right]_n-\begin{array}{c} \text{CH}_3 \\   \\ \text{Si}-\text{CH}_3 \\   \\ \text{CH}_3 \end{array} \end{array}</math></div> |
| Character        | Very soluble in ethyl acetate or methyl ethyl ketone, insoluble in water or ethanol          |                    |                                                                                                                                                                                                                                                                                                                                  |
| Relative Density | At 25℃, the corresponding relative density for different models is shown in the table below. |                    |                                                                                                                                                                                                                                                                                                                                  |
|                  | Model                                                                                        | Relative Density   |                                                                                                                                                                                                                                                                                                                                  |
|                  | 20                                                                                           | 0.946 ~ 0.954      |                                                                                                                                                                                                                                                                                                                                  |
|                  | 50                                                                                           | 0.955 ~ 0.965      |                                                                                                                                                                                                                                                                                                                                  |
|                  | 100                                                                                          | 0.962 ~ 0.970      |                                                                                                                                                                                                                                                                                                                                  |
|                  | 200                                                                                          | 0.964 ~ 0.972      |                                                                                                                                                                                                                                                                                                                                  |
|                  | 350                                                                                          | 0.965 ~ 0.973      |                                                                                                                                                                                                                                                                                                                                  |
|                  | 500                                                                                          | 0.967 ~ 0.975      |                                                                                                                                                                                                                                                                                                                                  |
|                  | 750                                                                                          | 0.967 ~ 0.975      |                                                                                                                                                                                                                                                                                                                                  |
|                  | 1000                                                                                         | 0.967 ~ 0.975      |                                                                                                                                                                                                                                                                                                                                  |
| Refractive Index | At 25℃, the corresponding refractive index for different models is shown in the table below. |                    |                                                                                                                                                                                                                                                                                                                                  |
|                  | Model                                                                                        | Refractive Index   |                                                                                                                                                                                                                                                                                                                                  |
|                  | 20                                                                                           | 1.3980 ~ 1.4020    |                                                                                                                                                                                                                                                                                                                                  |
|                  | 50                                                                                           | 1.4005 ~ 1.4045    |                                                                                                                                                                                                                                                                                                                                  |
|                  | 100                                                                                          | 1.4005 ~ 1.4045    |                                                                                                                                                                                                                                                                                                                                  |
|                  | 200                                                                                          | 1.4013 ~ 1.4053    |                                                                                                                                                                                                                                                                                                                                  |
|                  | 350                                                                                          | 1.4013 ~ 1.4053    |                                                                                                                                                                                                                                                                                                                                  |
|                  | 500                                                                                          | 1.4013 ~ 1.4053    |                                                                                                                                                                                                                                                                                                                                  |

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|-------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------|
|                         | 750                                                                                              | 1.4013 ~ 1.4053                          |
| Kinematic Viscosity     | At 25°C, the corresponding kinematic viscosity for different models is shown in the table below. |                                          |
|                         | Model                                                                                            | Kinematic Viscosity (mm <sup>2</sup> /S) |
|                         | 20                                                                                               | 18 ~ 22                                  |
|                         | 50                                                                                               | 47.5 ~ 52.5                              |
|                         | 100                                                                                              | 95 ~ 105                                 |
|                         | 200                                                                                              | 190 ~ 220                                |
|                         | 350                                                                                              | 332.5 ~ 367.5                            |
|                         | 500                                                                                              | 475 ~ 525                                |
|                         | 750                                                                                              | 712.5 ~ 787.5                            |
|                         | 1000                                                                                             | 950 ~ 1050                               |
| Application             | Defoamer, lubricant, etc.                                                                        |                                          |
| Packaging Specification | 25kg/drum                                                                                        |                                          |
| Storage Conditions      | Sealed storage                                                                                   |                                          |

