

SILRES[®] IC 678



Silicone Resins

SILRES[®] IC 678 is a solventless, reactive, methoxyfunctional phenyl polysiloxane with a narrow molecular weight distribution.

Properties

Used to improve the weather and heat resistance of organic resins.

Is a solvent-free liquid resin.

Is FDA 21 CFR 175.300 and BfR XV compliant.

Can be used as a cold blend as well as chemically bound intermediates on organic polymers.

Technical data

General Characteristics

Property	Condition	Value	Method
Refractive index	25 °C	1.5 - 1.505	-
Appearance	-	clear, light straw-colored liquid	-
Alkoxy content	-	approx. 15 wt. %	-
Density	20 °C	1.2022 g/cm ³	DIN 51757
Total silicone content (all methoxy groups replaced by Si-O-Si bonds)	-	84 wt. %	-
Viscosity, kinematic	25 °C	300 - 600 mm ² /s	DIN 51562
Volatiles	150 °C 1 h 5 g	< 2 wt. %	-

These figures are only intended as a guide and should not be used in preparing specifications.

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

Applications

- Industrial Coatings
- Resin Modification for Coatings

Application details

SILRES® IC 678 is highly suitable for introducing a compatible silicone component into other binder systems to increase the weathering or heat resistance.

Guide formulations are available on request.

Packaging and storage

Packaging

220 kg drum

Storage

The 'Best use before end' date of each batch is shown 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 notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

QR Code SILRES® IC 678



For technical, quality or product safety questions, please contact:

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