

SILRES® 610



Silicone Resins

SILRES® 610 is a hard solid, methyl group containing silicone resin. It is supplied as solid flakes. Typical application is the use as a binder for hightemperature resistant coatings after dissolution in a suitable solvent.

Properties

SILRES® 610 offers these properties

- very high inorganic content
- soluble in many solvents like aromatic hydrocarbons, ketones, acetates, alcohols
- limited compatibility (to be used as a sole binder)
- excellent hydrophobicity of the final coating
- protects the substrate against corrosion and chemicals
- extraordinary good adhesion to aluminum

Technical data

General Characteristics

Property	Condition	Value	Method
Optical appearance	-	colorless flakes	-
Bulk density	-	690 kg/m ³	-
Melting point	-	35 - 55 °C	-

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.

Store in a dry and cool place.

Protect against moisture.

Applications

- Heat-Resistant Coatings
- Industrial Coatings

Application details

SILRES® 610 is being used as a binder for coatings. It combines heat resistance and weathering resistance. It dries rapidly to a tack-free film.

When applied as a clear coat on aluminum substrate the maximum long-term operating temperature should not exceed 200°C (390°F).

Recommended dry film thickness is between 15 and 25 µm, clearcoats less than 10 µm.

Formulation examples are available on request.

Information on the current BfR/FDA-status is available on request.

Packaging and storage

Packaging

- 25 kg paper bag
- 400 kg cardboard box (16 x 25 kg bags)

Storage

SILRES® 610 must be stored in tightly closed original bags. Contact with tin (e.g. with improper metal containers) or moisture will decrease shelf life.

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® 610



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

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