

ELASTOSIL® COLOR PASTE FL UV FLUORESCENT



Silicone Rubber Additives

ELASTOSIL® COLOR PASTE FL UV FLUORESCENT is a ready-to-use masterbatch comprising a specific fluorescent agent and reactive silicone polymers which are commonly used in ELASTOSIL® liquid silicone rubber.

This ensures a homogeneous covulcanization of the color paste without impairment of the physical properties (e.g. hardness).

Properties

ELASTOSIL® COLOR PASTE FL UV FLUORESCENT is pourable and ready for use after thorough stirring. A dilution is not required.

If the dosage recommendations are followed, the mechanical properties of the colored vulcanizates will not be impaired.

Specific features

- Additive
- Low volatile

Technical data

General Characteristics

Density Cure Conditions: 15 min / 100 °C evacuated, without press

| Property | Condition | Value | Method |
|--|-----------|------------------------|---------------------|
| Appearance | - | UV fluorescent | - |
| Density | - | 1.00 g/cm ³ | DIN EN ISO 1183-1 A |
| Viscosity, dynamic (1 s ⁻¹) | - | 100000 mPa·s | DIN EN ISO 3219 |
| Viscosity, dynamic (10 s ⁻¹) | - | 100000 mPa·s | DIN EN ISO 3219 |

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.

Application details

ELASTOSIL® COLOR PASTE FL UV FLUORESCENT has been developed particularly for coloring addition-curing ELASTOSIL® LR liquid silicone rubber and ELASTOSIL® RT RTV-2 silicone rubber.

ELASTOSIL® COLOR PASTE FL UV FLUORESCENT has been developed specifically for fluorescent marking of addition-cure silicone rubber. Silicone molded parts or coatings pigmented with this color paste give off a deep blue-violet glow when irradiated with UV light. Silicone processors can exploit this property to develop automated quality control systems for their manufacturing setup.

Processing

Before using an ELASTOSIL® COLOR PASTE FL, the color paste must be thoroughly stirred. This is also necessary if there has been a long interruption in production or from time to time in case of very long productions runs.

Depending on the color intensity desired, 0.5 to 4.0 % pigment paste should be added. The concentration should be kept at a minimum. In individual cases, an excess of color paste may slow down the curing characteristics.

Packaging and storage

Packaging

This product is available in 20 kg pail and 1kg tin.

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 ELASTOSIL® COLOR PASTE FL UV FLUORESCENT



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

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