ELASTOSIL® COLOR PASTE FL RED RAL 3020

ELASTOSIL®

Silicone Rubber Additives

ELASTOSIL® COLOR PASTE FL RED RAL 3020 is a ready-to-use masterbatch comprising specific pigments 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) and without migration as it may be observed for systems based on silicone oil.

Properties

ELASTOSIL® COLOR PASTE FL RED RAL 3020 is pourable and ready-to-use after brief stirring before using. A dilution is not required.
The color is generally resistant to sunlight, UV and hot air. The resistance should be checked for individual cases.
If the dosage recommendations are followed, the mechanical properties of the colored vulcanizates will not be impaired.

Specific features

- Additive
- BfR compliant
- FDA compliant
- Low volatile
- Medical

Technical data

General Characteristics

Density Cure conditions: 15 min / 100 °C evacuated, without press
Color Cure conditions: 2% in LR 3003/50, 5 min / 165°C in press
Color Measurement conditions: CIE 1976 D65, 10°, d/8

Property	Condition	Value	Method
Appearance	-	red	-
Density	-	1.05 g/cm^3	DIN EN ISO 1183-1 A
Coloristical properties	L* Value	44	DIN 5033
Coloristical properties	a* Value	60	DIN 5033
Coloristical properties	b* Value	41	DIN 5033
Viscosity, dynamic (1 s^{-1})	-	73000 mPa·s	DIN EN ISO 3219
Viscosity, dynamic (10 s^{-1})	-	27000 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 RED RAL 3020 has been developed particularly for coloring addition-curing ELASTOSIL® LR liquid silicone rubber and ELASTOSIL® RT RTV-2 silicone rubber.
ELASTOSIL® COLOR PASTE FL RED RAL 3020 may be used for coloring silicone parts intended for sensitive applications and complying with the “Recommendation XV. Silicones" and “IX. Pigments for coloring plastics" of the BfR and FDA Regulation CFR 21 § 177.2600 "Rubber Articles Intended for Repeated Use" under observance of any given limitations on extractable and volatile substances. Please see the actual Product Compliance Sheet of this product and/or the separate Food Contact Statement for detailed information about food contact including information about any limitation in view of dosage and/or condition of use that may apply for this product. A statement regarding biocompatibility according to USP<88> class VI and selected tests of ISO 10993 is available on request.

Processing

Before using a ELASTOSIL® Color Paste FL, the color paste must be thoroughly stirred. This is also necessary if there has been a long interruption in production.
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. Customers may produce other colors by mixing pigment pastes. Suggestions for formulations can be provided on request.

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 RED RAL 3020

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

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