ELASTOSIL® COLOR PASTE FL SIGNAL GREEN RAL 6032 C

ELASTOSIL®

Silicone Rubber Additives

ELASTOSIL® COLOR PASTE FL SIGNAL GREEN RAL 6032 C is a ready-to-use masterbatch comprising specific pigments and reactive silicone polymers which are commonly used to produce ELASTOSIL® liquid silicone rubber.
This ensures a homogeneous covulcanization of the color paste without significant 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 SIGNAL GREEN RAL 6032 C is pourable and ready-to-use after stirring up. A dilution is not required.
The colors have generally a good resistance to sunlight, UV and hot air. The resistance should be checked for individual cases, especially for long term applications. If the dosage recommendations are followed, the mechanical properties of the colored vulcanizates will not be significantly 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	-	Signal green, similar to RAL 6032	-
Density	-	1 g/cm^3	DIN EN ISO 1183-1 A
Coloristical properties	L* Value	48.5	DIN 5033
Coloristical properties	a* Value	-33	DIN 5033
Coloristical properties	b* Value	14	DIN 5033
Viscosity, dynamic (1 s^{-1})	-	40000 mPa·s	DIN EN ISO 3219
Viscosity, dynamic (10 s^{-1})	-	10000 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 SIGNAL GREEN RAL 6032 C has been developed particularly for coloring addition-curing ELASTOSIL® LR liquid silicone rubber and ELASTOSIL® RT RTV-2 silicone rubber.
ELASTOSIL® COLOR PASTE FL SIGNAL GREEN RAL 6032 C 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 ELASTOSIL® COLOR PASTES FL, the paste must be thoroughly stirred. This is also required if there has been a long interruption in production. It may be necessary to repeat this procedure in case of very long production runs. Depending on the color intensity desired, 0.5 to 4.0 % pigment paste should be added, the usual dosage being 2 %. Generally, the dosage 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 SIGNAL GREEN RAL 6032 C

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

Wacker Chemie AG, Hanns-Seidel-Platz 4, 81737 Munich, Germany
productinformation@wacker.com, www.wacker.com

The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this medium should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.