

ELASTOSIL® Pigment Pastes FL

Characteristics

ELASTOSIL® Pigment Pastes FL are ready-to-use compounds consisting of pigments and a reactive silicone polymer.

Special characteristics

- Pourable and ready to use after brief stirring
- No dilution necessary
- Yield colors that are resistant to light, UV and hot air
- If dosage recommendations are observed, the mechanical properties of the colored vulcanizates are not impaired.

Application

ELASTOSIL® Pigment Pastes FL have been developed particularly for coloring addition curing ELASTOSIL® LR Liquid Silicone Rubber, ELASTOSIL® RD Silicone Rubber Dispersions and ELASTOSIL® RTV-2 Silicone Rubber.

Processing

Before ELASTOSIL® Pigment Pastes FL are used, the masterbatches 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 percent pigment paste should be added. The concentration should be kept to a minimum. In individual cases, too high concentration can slow down curing.

Improvement of hot air resistance

The addition of 3 vol percent of ELASTOSIL® Pigment Paste FL red iron oxide, Pigment Paste FL deep black or FL ivory significantly improves hot air resistance.

Grades

ELASTOSIL® Pigment Pastes FL	Similar to RAL	BfR	FDA
ivory	RAL 1014	+	+
yellow	RAL 1016	+	+
red-brown	RAL 2001	+	+
orange	RAL 2004	+	-
dark red	RAL 3000	+	+
red iron oxide	RAL 3013	+	+
ultramarine blue	RAL 5002	+	+
dark blue	RAL 5010	+	+
light blue	RAL 5015	+	-
green	RAL 6010	+	+
grey	RAL 7000	+	-
deep black	RAL 9005	-	-
deep black	RAL 9005 F	+	+
white aluminum (silver)	RAL 9006	+	+
white	RAL 9010	+	+
black	RAL 9011	-	-

- + Conforms to the requirements of BfR Recommendation IX „Pigments for colouring plastics“ or to FDA regulation CFR 21 § 177.2600 „Rubber Articles Intended for Repeated Use“.
- Does not conform to the requirements of BfR or FDA.

Storage

ELASTOSIL® Pigment Pastes FL has a shelf life of at least 12 months if stored at 25 °C in the tightly closed original container. The 'Best use before end' date of each batch appears 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 information

Detailed safety information is contained in each material data safety sheet, which can be obtained from our sales offices.

The data presented in this leaflet 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 leaflet 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 recommendations do 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 products for a particular purpose.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001. The Business Unit Elastomers of the Division Silicones is ISO/TS 16949 certified.



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

Wacker-Chemie GmbH
WACKER-SILICONES
Hanns-Seidel-Platz 4
D-81737 Munich, Germany

Silicone-Info Service
Germany:
Tel.: 0-800-6279-800
International:
Phone: +800-6279-8000

www.wacker.com
silicones@wacker.com