

Product Name

ELASTOSIL® PIGMENT PASTES FL

Product Description

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

ELASTOSIL® Pigment Pastes FL have been developed particularly for coloring ELASTOSIL® RTV-2 Silicone Rubber.

Physical Properties

ELASTOSIL® Pigment Pastes FL	Similar to RAL	BfR	FDA
Yellow	RAL 1016	+	+
Red-Brown	RAL 2001	+	+
Orange	RAL 2004	+	-
Dark Red	RAL 3000	+	+
Red Iron Oxide	RAL 3013	+	+
Dark Blue	RAL 5010	+	+
Light Blue	RAL 5015	+	-
Green	RAL 6010	+	+
Grey	RAL 7000	+	-
Deep Black	RAL 9005	-	-
White	RAL 9010	+	+

+ 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.

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 significantly improves hot air resistance.

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.

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Disclaimer

The data presented in this leaflet are in accordance with the present state of our knowledge, and does 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. Recommendations for use do not constitute a warranty, either expressed or implied, of the fitness or suitability of the product for a particular purpose.