

Castsil

The Metal Casting Silicone Elastomer-Technical Guide

PRODUCT DESCRIPTION

Castsil Silicone Elastomers are available in Blue and Red colours. These are especially designed for the manufacture/prototyping of functional/decorative components.

KEY PRODUCT FEATURES

- High level of strength, closer tolerances and better reproduction of details
- Fast turnaround for prototypes and product development parts
- Low shrinkage
- High temperature withstand ability
- Excellent service life

STORAGE

Castsil material should be kept away from direct sunlight. It is recommended to store below 30C in original packing for achieving optimal results

PROCESSING

Vulcanization to be done at 155 C-160 C for 30-45 minutes
Cure and processing conditions should be verified by the fabricator and will depend on the processing equipment used.

SAFETY INFORMATION

During the vulcanization of this product, small amounts of rubber base volatiles and peroxide decomposition products are released. Work areas must be well ventilated.

PACKAGING

This product is available in 9 inches and 12 inches discs. The discs dimensions can be customized as per any specific requirements.

Properties	Castsil Red	Castsil Blue
Specific Gravity	1.5	1.5
Hardness	60	55
Tear Strength	20 N/mm	18 N/mm
Tensile strength	7 MPa	6 MPa
Elongation	260 %	220 %
Linear Shrinkage	< 1%	<1 %

These figures are intended as a guide and should not be used in preparing specifications

Above properties obtained from a test Slab moulded at 160 C temperature

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The data presented in this document are in accordance with our present knowledge, but do not absolve the user from carefully checking all supplies receipt. We reserve the right to alter product formulations within the scope of technical progress or new developments. The recommendations made in this document should be checked by trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used.