

ELASTOSIL[®] R 402/60 US



High Consistency Silicone Rubber (HCR)

ELASTOSIL[®] R 402/60 US Silicone Rubber Base is noted for its high transparency and good mechanical properties. Due to the high green strength of this product, it can be used to make complex extruded profiles. Its vulcanizing characteristics make it possible to achieve short cycle times in the production of rubber moldings by compression, transfer and injection molding. Post-cured vulcanizates can be used for applications in the health care and food handling industries. -

ELASTOSIL[®] R 402/60 US contains those ingredients which are suitable for food contact applications. Under Title 21 "Food and Drugs," Part 177.2600, "Rubber articles intended for repeated use." Because this regulation contains limitations, compliance to the regulation is the responsibility of the user.

Properties

- Excellent tensile strength
- Excellent clarity
- Exceptional extrusion qualities
- Excellent molding qualities

Recommended Curing Agent Levels - 1.5 parts: 2,4-dichlorobenzoyl peroxide (50% active in silicone paste). - 0.7 parts: dicumyl peroxide (98% active). - 1.2 parts: 2,5-di(t-butylperoxy)-2,5-dimethylhexane (45% active). - 1.0 parts: dibenzoyl peroxide (50% active).

Technical data

General Characteristics

Properties obtained by adding 0.7 parts: dicumyl peroxide (98% active) per 100 parts of base; press cured 15 min/165 °C and post cured 4h/200 °C

Property	Condition	Value	Method
Appearance	-	transparent	-
Specific gravity	-	1.13 - 1.2 g/cm ³	DIN EN ISO 1183-1 A
Hardness Shore A	-	60	ASTM D 746
Tensile strength	-	1500 psi	-
Elongation at break	-	550 %	ASTM D 412
Tear strength die B	-	200 ppi	-
Compression Set	22 h 177 °C	200 %	-

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.

Packaging and storage

Storage

The "Best use before end date" of each batch is shown on the Certificate of Analysis. Storage beyond the date specified on the Certificate of Analysis 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

For specific information regarding safe handling of this material, please refer to the Safety Data Sheet.

QR Code ELASTOSIL® R 402/60 US



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

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