TECHNICAL DATA SHEET



24 mths

QM 262 2 Part Mold Making Silicone

Description	Property	Test Method	Value
This is a pourable 2-part addition cure silicone elastomer system.	Uncured Product		Value
After mixing parts 'A' and 'B' in the correct proportions, the	Color A		Beige
system will cure at ambient temperatures within 24 hours, but the	Color B		Blue
rate of cure can be accelerated by heat. The cured rubber			Addition
exhibits excellent physical and electrical properties.	Cure Type		Addition
Key Features	De-mould Time / Full Cure at 23°C/73°F		8 - 12 hrs
Low viscosity	Density A	BS ISO 2781	1.26
 Casting resin resistance Fast demold time 	•		-
 FDA CFR 177.2600 compliant 	Density B	BS ISO 2781	1.02
Key Applications	Mix Ratio By Weight		10:1
 Molds for polyester, epoxy resin casting 	Pot Life mins at 23°C/73°F		60 mins
 Candy and other food molds 	Viscosity A	Brookfield	45,000 cP
Picture frames and furniture replication	Viscosity B	Brookfield	2,000 cP
Prototyping	Viscosity Mixed	Brookfield	35,000 cP
Application	Cured Product		
Addition cure mold making silicone for rapid prototyping, roller	150 C for 30 mins		
manufacturing and architectual reproduction.			l iabt blue
Use and Cure Information	Color		Light blue
IMPORTANT:	Density	BS ISO 2781	1.24 g/cm3
The 'A' part of product	Elongation at Break	ISO 37	150 %
contains the platinum catalyst; great care should be taken when	FDA Tested	CFR (21] 177.2600	CFR 177.2600
using automatic dispensing equipment. Please ensure that it is not contaminated by residual hydride containing rubber in the	Hardness Shore A	ASTM D 2240-95	60
dispensing equipment, as curing will result. If in doubt, it's		ASTIVI D 2240-95	60
advised to thoroughly purge the equipment with a suitable	Linear Shrinkage (%)		< 0.1 % %
hydrocarbon solvent or silicone fluid.	Max Working Temp		204 °C / 399 °F
Mixing	Min Working Temp		-55 °C / -67 °F
Both the 'A' and 'B' parts should be well stirred to ensure the	Tear Resistance (N/mm)	BS ISO 34-1	15 N/mm / 86 ppi
material is uniform and any settlement of the fillers have been	Tensile Strength	ISO 37	6.9 N/mm2 / 1001 psi
remixed. Place the required amount of 'A' and 'B' parts by weight			P31
at the mix ratio shown opposite, in a clean plastic or metal container of approximately 3 times their volume, and mix until the	Storage		
colour of the mixture is uniform. For best results, we recommend	Max Storage Temperature		38 °C / 100 °F
description of the local built of the local time the local time of			

container of approximately 3 times their volume, and mix until the colour of the mixture is uniform. For best results, we recommend degassing. Degas by intermittent evacuation, the larger volume of the mixing vessel helps prevent overflow during this operation. In

case of automatic dispensing with static mixing head, the two components should be degassed before processing. Recommended vacuum conditions are 30-50 mbar intermittently over 5-10 minutes. Cast the mixture either by gravity or pressure injection. In order to achieve optimum performance, the same "A" and "B" side lot number should be used.

Inhibition of Cure

Great care must be taken when handling and mixing all addition cured silicone elastomer systems, ensuring that all the mixing tools (vessels and spatulas) are clean and constructed in materials which do not interfere with the curing mechanism. The cure of the rubber can be inhibited by the presence of compounds of nitrogen, sulphur, phosphorus and arsenic; organotin catalysts and PVC stabilizers; epoxy resin catalysts and even contact with materials containing certain of these substances e.g. moulding clays, sulphur vulcanised rubbers, condensation cure silicone rubbers, onion and garlic.

Curing Conditions

The data offers a guide to the rate of cure at various temperatures, mixing of the components at temperatures between 15 and 25°C is recommended to ensure adequate pot life for degassing and handling. The pot life can be extended to several hours by chilling the components before mixing.

Health & Safety

Safety Data Sheets available on request.

Packaging

CHT Moulding Rubbers are available in a variety packaging including bulk containers. Please contact our sales department for more information.

Revision Date	12 Feb 2024
Revision No	8
Download Date	25 Apr 2024

The content set out in the technical data sheet does not contain information upon which you should rely. It is provided for general information purposes only and does not constitute a product specification. You must obtain professional or specialist advice before taking any action based on the information provided in the technical data sheet.

CHT make reasonable efforts to ensure that information set out in the technical data sheet is complete, accurate, and up-to-date. CHT do not, however, make any representations, warranties or guarantees (whether express or implied) that information set out in the technical data sheet is complete, accurate, or up-to-date or that the product will be suitable for your requirements. You should carry out your own testing to determine the applicability of such information and whether the product will be suitable. CHT reserve the right to modify the technical data sheet at any time. The CHT technical service department is available to offer further information and advice and should it be needed to look at modifying current products or custom formulate a new one to meet your specific requirements. Please contact the technical service department.

CHT Germany GmbH: Postfach 12 80, 72002 Tübingen, Bismarckstraße 102, 72072 Tübingen, Germany

Telephone: 07071/154-0, Fax: 07071/154-290, Email: info@cht.com, Homepage: www.cht.com / www.cht.silicones.com

CHT Germany GmbH: Postfach 12 80, 72002 Tübingen, Bismarckstraße 102, 72072 Tübingen, Germany

Telephone: 07071/154-0, Fax: 07071/154-290, Email: info@cht.com, Homepage: www.cht.com / www.cht.silicones.com

The content set out in the technical data sheet does not contain information upon which you should rely. It is provided for general information purposes only and does not constitute a product

specification. You must obtain professional or specialist advice before taking any action based on the information provided in the technical data sheet. CHT make reasonable efforts to ensure that information set out in the technical data sheet is complete, accurate, and up-to-date. CHT do not, however, make any representations, warranties or guarantees (whether express or implied) that information set out in the technical data sheet is complete, accurate, or up-to-date or that the product will be suitable for your requirements. You should carry out your own testing to determine the applicability of such information and whether the product will be suitable. CHT reserve the right to modify the technical data sheet at any time. The CHT technical service department is available to offer further information and advice and should it be needed to look at modifying current products or custom formulate a new one to meet your specific requirements. Please contact the technical service department.