



## Technical Data Sheet

### SILASTIC™ HC 1881-70 PART A & PART B

High consistency silicone rubber compounds with Platinum curing system

#### Features & Benefits

- Two Part with convenient 1:1 mix ratio
- Full compound with platinum curing system

#### Applications

- General molded rubber parts such as O-ring, gasket, packing and others

#### Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

ASTM <sup>1</sup>	Property	Unit	Result
D2240	Durometer	Shore A	70
D412	Tensile Strength	MPa	6.8
D412	Tensile Strength @ 100%	MPa	3.4
D412	Elongation @ Break	%	325
D624 Die B	Tear Strength	KN/m	15
D792	Specific Gravity		1.20
D395 Method B	Compression Set (180C 22H)	%	38

1. ASTM: American Society for Testing and Materials  
Properties obtained with 1:1 mix ratio of Part A & Part B on 2mm thick slabs: molded 10 minutes @ 120C.

#### Discription

SILASTIC™ HC-1881-70 Silicone Rubber is a 70 durometer silicone rubber compound especially designed to provide good results when making molded parts. It is translucent, and therefore can be easily pigmented to obtain most any color shade desired.

#### How to use

For blending or pigmenting, milling with two-roll mill is the most suitable process. Mix part A & Part B with 1:1 ratio. Standard curing temperature is 120°C (248°F), and its cure time depends on the thickness of final products. Post cure condition would be 4 hours at 200°C (392°F), after molding in most cases.

**Handling  
Precautions**

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

**Usable Life and  
Storage**

Product should be stored at or below 35°C (95°F) in original, unopened containers.

**Limitations**

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

**Health and  
Environmental  
Information**

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, [dow.com](http://dow.com) or consult your local Dow representative.

**Disposal  
Considerations**

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

**Product  
Stewardship**

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