

**HOLDEN**

Holden Limited
Engineering Department

MATERIAL SPECIFICATION

NUMBER : HN 2385
SHEET : 1 of 2
RELEASE : November 2001
REVISION :

NAME: ADHESIVE- SILICON-1-PART-NEUTRAL CURE

1. SCOPE

This specification describes the requirements for a 1-part, moisture curing (neutral cure) silicon adhesive/sealant. This material is a high strength, non-flowable gel with excellent high temperature durability.

2. REFERENCES

GMW 3059 HN 1000 GM9010P ASTM D638

3. PHYSICAL REQUIREMENTS

See Table 1.

Table 1.

Property	Requirement	Test method
Colour	Grey or clear	
Extrusion rate (1/8 inch orifice at 90psi, room temperature)	90-150g/min	
Specific gravity	1.1	
% solids	95 % min	GM9010P
Tensile strength i) Initial (cured) ii) After 7 days at 200°C	1000psi min 700 min	ASTM D638
Elongation iii) Initial iv) After 7 days at 200°C	650 % 460 %	ASTM D638
Temperature operating range	-35°C to 200°C	

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4. APPROVAL, INSPECTION AND REJECTION

Refer HN 1000, Clauses A, C and G.

5. HAZARDOUS MATERIALS

Refer HN 1000, Clause H.

6. RESTRICTED CHEMICALS

Refer HN 1000, Clause J.

7. APPROVED SUPPLIERS AND MATERIALS

APPROVED SUPPLIER

APPROVED MATERIAL

Dow Corning

3145 RTV

Prepared by: Mark Franke

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