

**HOLDEN**

Holden Limited
Engineering Department

MATERIAL SPECIFICATION

NUMBER : HN 2246
SHEET : 1 of 3
RELEASE : September, 1998
REVISION :

NAME: TAPE - CONFORMABLE

1. SCOPE

This specification describes the physical and performance properties of a non-woven sound abatement tape. The tape consists of a non-woven material coated on one side with a pressure sensitive adhesive protected by a silicon release paper.

The tape is used for sound abatement applications where two dissimilar surfaces come into contact causing a rubbing or squeaking noise.

2. REFERENCES

HN1000
SAE J369

ASTM D1000
SAE J1351

ASTM D1004

3. PROPERTES

		<u>Material</u>	<u>Requirement</u>
3.1	Colour		Black
3.2	180° Mean Peel Strength (Refer ASTM D1000)		
		ABS	650 N/m min.
		Polypropylene	280 N/m min.
3.3	Aged Adhesion		
	72 hours at 70°C, after 24 hours at 38°C, 95% R.H.	ABS	825 N/m min.
		Polypropylene	235 N/m min.

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3. PROPERTIES (continued)

		<u>Material</u>	<u>Requirement</u>
3.4	Shear Strength (Refer ASTM D1000)		
	Cold tested at -18°C, after 24 hours at -18°C	ABS Polypropylene	0.15 MPa min. 0.15 MPa min
	Hot tested at 60°C, after 24 hours at 60°C	ABS Polypropylene	0.20 MPa min. 0.20 MPa min
3.5	Tear Resistance (Refer ASTM D1004)		15 N min.
3.6	Elongation at Break (Refer ASTM D1000)		300% min
3.7	Abrasion Resistance		
	Taber Abrasion CS10 wheels Number of cycles to fail	Dry 500 g - 1500 cycles min Wet 250g - 1000 cycles min.	
3.8	Humidity Resistance		
	48 hours at 38°C and 95% R.H.	No visible loss of adhesion between tape and substrate.	
3.9	Heat Resistance		
		30 minutes at 120°C	No visible loss of adhesion between tape & substrate.
		168 hours at 82°C	No visible loss of adhesion between tape & substrate.

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