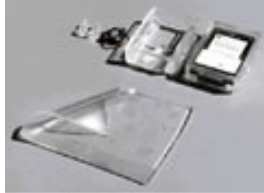




## SOFT SILICONE FREE GEL SHEET



- Ultra Soft High Damping Gel.
- Silicone Free Solution Ideal for HDD Isolation.
- High Performance in Narrow Space Enclosures.
- High Performance at 2mm Thickness.

Ultra soft silicone free gel (Shore A 8) for reducing structureborne vibrations and shock absorption. High vibration isolation and shock control for HDDs or lightweight component enclosures. Silicone free with no molecular siloxane gas. UL-V0 version also available.

Disk drives and other light components often need very soft vibration and shock mounting solutions due to their low weight. Ideal for making HDD surrounds, isolating enclosures for light components or moulding into fan gaskets. This highly damped silicone free gel offers an alternative to traditional foam and rubber sheet damping. Two materials available: ultra soft white UL V-0 55V gel and slightly firmer black 80 UV resistant gel. Operating temperature -20 to +60c.

Simply cut from sheet. Available as standard in 1,2,3,4 & 5mm sheets. For volume production requirements, this material can be produced as moulded parts. 100% stretch ratio, low compression distortion.

White 55V gel sheets are available with a thin protective film one side or both sides to help handling. If one side has no film the other side is tacky to help placing. We have grommets for HDDs and PCBs made of the same soft gel our other high damping soft gel sheet made of silicone.

### Specification

| Unit                              | 55V    | 80     |
|-----------------------------------|--------|--------|
| Colour                            | White  | Black  |
| Hardness Asker FP                 | 55     | 80     |
| Hardness Shore A                  | appx 6 | appx 8 |
| Flammability Rating               | UL-V0  | -      |
| Tensile Strength Mpa / JIS K 6251 | 0.59   | 0.69   |
| Elongation % / JIS K 6251         | 1210   | 1210   |

| Part Number | Materials   | Thickness (mm) | Size (mm) |
|-------------|---|----------------|-----------|
| G5VU1 – 1.0 | 55V<br><br>Thin Urethane Film On<br>One Side and Slightly Tacky<br>On Other Side. | 1              | 290 * 200 |
| G5VU1 – 2.0 |   | 2              |           |
| G5VU1 – 3.0 |   | 3              |           |
| G5VU1 – 4.0 |   | 4              |           |
| G5VU1 – 5.0 |   | 5              |           |

| Part Number | Materials                                       | Thickness (mm) | Size (mm) |
|-------------|---|----------------|-----------|
| G5VU2 – 1.0 | 55V<br><br>Thin Urethane Film On<br>Both Sides. | 1              | 290 * 200 |
| G5VU2 – 2.0 |   | 2              |           |
| G5VU2 – 3.0 |   | 3              |           |
| G5VU2 – 4.0 |   | 4              |           |
| G5VU2 – 5.0 |   | 5              |           |

#### Gelmecc UK

Marcom House, 1-2 Steam Mill Lane, Great Yarmouth, Norfolk, NR31 0HP

Telephone: +44(0) 1493 668622 Fax: +44(0) 1493 668623

Email: sales@gelmecc.co.uk Website: www.gelmecc.co.uk



## SOFT SILICONE FREE GEL SHEET

| Part Number     | Materials  | Thickness (mm) | Size (mm) |
|-----------------|--|----------------|-----------|
| G80BK1 – 1.0 T1 | 80<br><br>Thin Urethane Film On<br>One Side And Adhesive On The<br>Other Side. | 1              | 305 * 213 |
| G80BK1 – 2.0 T1 |  | 2              |           |
| G80BK1 – 3.0 T1 |  | 3              |           |
| G80BK1 – 4.0    |  | 4              |           |
| G80BK1 – 5.0    |  | 5              |           |

### Material Properties

| Part Number | Compression Set (%) | Tensile Strength (Mpa) | Elongation (%) |
|-------------|---------------------|------------------------|----------------|
| G80BK       | 55                  | 0.69                   | 1560           |
| G5VU1       | 21                  | 0.59                   | 1200           |
| G5VU2       | 21                  | 0.59                   | 1200           |

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