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Silicone Rubber Key mats – Typical Characteristics Data Sheet

Key features

- Product specific shore hardness, key travel and operational force.
- Range of colours achieved by base material or paint.
- Embedded tactile response via Mylar, Rubber, metal domes or fitted dome array.
- Laser etched for key location in backlit applications.
- Screen printing
- Plastic key tops to improve durability and life cycle.
- Epoxy cured key tops for resilience between user and key.
- Fitted Polyester Circuit (PET) or Flexible Printed Circuit (FPC).
- Membrane, PCB or Panel mounted.
- Box Built.

Key Markets

- Medical
- Automotive
- Aerospace
- Security
- Access Control
- Military
- Marine
- Instrumentation
- Control Panels
- Rail
- Power Distribution



Silicone Rubber	Typical
Hardness Shore A	35-80
Tensile Strength Kg/Cm	50-80
Elongation	>100%
Tear Strength	>9kg/Cm2
Electrical	
Operating Temperature	<20c to 180c
Operating Force	40 to 350 grams
Cycle Life	Up to 10 000 000
Contact Resistance	<100 Ohms
Contact Bounce	<12 milliseconds
Contact Rating	<10mA @ 12 VCD
Insulation Resistance	10/2 Ohms @ 500 VDC

Products will differ according to individual design. Please contact us to discuss your requirements.

