

## SILICONE RUBBER KEYMATS

Rubber keypads are widely used in the 'push-button' facilities regularly seen in our daily life, such as personal computers, calculators, remote controllers, cellular phone / mobile phones, multi-functional telephones, CB radios, car stereos, cameras and answering machines, the list goes on.....

### Materials

The hardness of silicone rubber can be blended between 30 to 70 shore A. Suggested hardness for silicone rubber keypads is 40 to 60 shore A, depending on customers' requirements of actuation force.

### Contact Resistance

Silicone rubber keypads can be co-moulded with carbon impregnated silicone pills (carbon pills), gold plated pills or metal pills according to customers' requirements.

### Spray printing for back-lighted legends

After moulding, the keypads are spray painted with black and white ink on the front side. A laser is then used to etch out the legends onto the keytop, to give a back lighted effect.

### Silk screen printing

Keypads can be silk-screen printed enabling individual keytops to be printed in different colours.

### Epoxy Coating

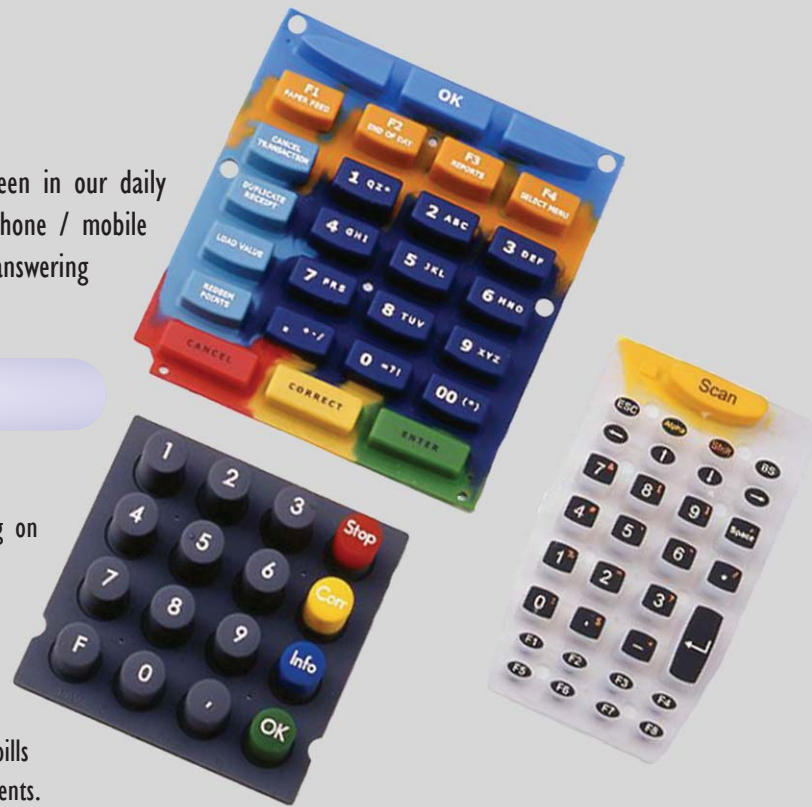
Keypads can be dipped with an epoxy resin to form a hard, or medium hard surface, which is smooth to touch.

### Rubber Colours

Any colour can be blended according to customer request. It can also be blended with phosphorescent material to glow in the dark.

### PU Coating and Hard Coating

Silicone rubber keypads can also be spray coated with PU resin to provide excellent abrasion resistance. For an even more abrasion resistant surface, a hard coating is applied via a screen print-paint process, using an additional protective clear silicone ink over the keytops. This increases the life of the legend further.



## MEMBRANE KEYPADS RUBBER PRODUCTS AND PLASTIC KEYCAPS

As well as our ability to provide high quality Silicone Rubber Keypads, we can also provide many other rubber, and keypad type products including, Rubber Rollers, Rubber dampers / Isolators, Rubber grips, and Plastic Keycaps, all to customers' individual requirements.

### Plastic Keycaps

Plastic keycaps are used where a 'hard feeling' to the keypad is required. These can be manufactured translucent to enable backlighting if required, or in any colour, with even metallic finishes which are suitable where a more luxury appearance is required.

### Rubber Rollers

Rubber Rollers can be supplied, again to custom specifications, suitable for various equipment such as ATM machines, Vending machines, Printers, and Fax machines, basically wherever there is a need for a roller.

### Membrane Keypads

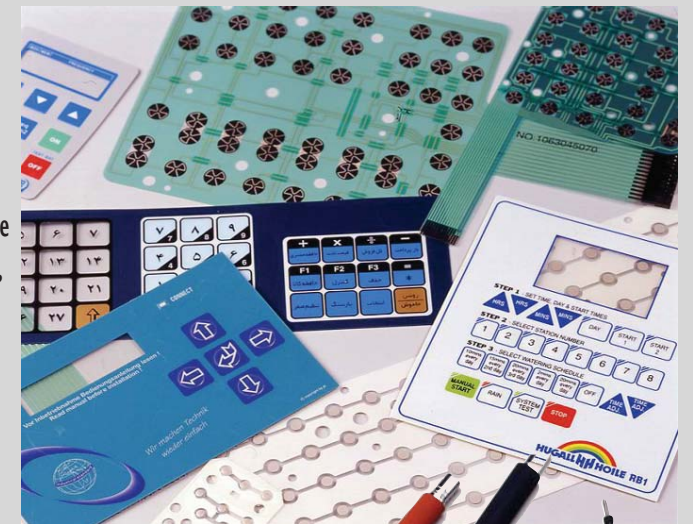
Membrane keypads are used in a wide variety of electronic products including machinery, and instrumentation. They give a flush appearance to a display and are more suited to environments where dust or moisture ingress could cause problems with alternatives.

### Rubber Grips

Rubber Grips can be easily custom designed, and are available in whatever colour the customer specifies. Made from soft touch silicone, and given a luxury appearance, they are highly suitable for consumer products such as cameras where high grip is necessary.

### Rubber Dampers and Isolators

Made from soft silicone rubber, our Rubber dampers and Isolators are perfect for damping vibration and shock in many consumer products such as CD / DVD Rom drives. They are fully environmentally approved, and finite element analysis tests can simulate data prior to production.



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We also have a large network of worldwide agents. These can be seen on any of our websites, or on our company profile brochure.

# Keypads, Keymats and Rubber products

