WILSON HURD

Our Innovation, Your Solution

Custom Elastomeric Keypads

If you are looking for a product with maximum tactile response and a long operating life, consider an elastomeric keypad from Wilson-Hurd. These keypads are easily integrated into new or existing designs and offer a lower unit cost than conventional switching products. Suitable for any application that requires a data entry interface, these keypads will supply you with years of trouble-free performance.

Advantages of Elastomeric Keypads:

- Excellent tactile response
- Easy interface with flex & PCB-based membrane switches
- Resistance to temperature, moisture, chemicals, and abrasion
- Long life
- Low unit cost

Design Options Available:

- Single or multiple color surfaces
- Epoxy & polyurethane overcoatings
- Fluorescent, antimicrobial finishes
- Laser etching
- Inclusion of conductive pills
- Backlighting
- Plastic or stainless steel keycaps

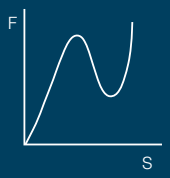
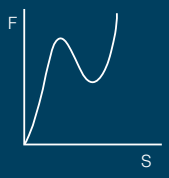
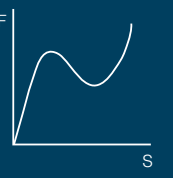
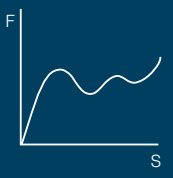
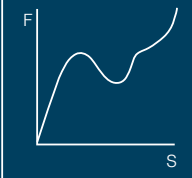
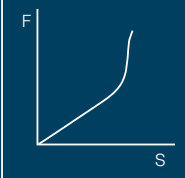
311 Winton Street, Wausau, WI 54403-3235 • 800.950.5013 • sales@wilsonhurd.com • www.wilsonhurd.com

Custom Elastomeric Keypads

Technical Data

Type	Specification
Hardness	Shore 20A-80A
Conductive Pill Contact Resistance	<100 ohms with 100gr loading
Operating Temperature	-25°C *(-13°F)* to 70°C *(158°F)*
Storage Temperature	-30°C *(-22°F)* to 85°C *(185°F)*

Basic Construction

Type						
Curve						
Force Range	0-350g	30-250g	30-150g	30-80g	30-200g	20-80g
Stroke Range	0.5-3.0mm	0.7-1.5mm	0.5-3.0mm	2.0-4.0mm	1.5-2.5mm	0.2-1.0mm
Life Cycle(x10 ^{3})	500-2,000	500-2,000	1,000-3,000	5,000-20,000	500-3,000	500-10,000
Typical Uses	Telephone, Remote Control, Automobile, Radio, Toys, Calculator	Telephone, Remote Control, Toys, Games, Calculator	Telephone, Remote Control, Toys, Measuring Instruments, Office Machine	Computer	Telephone, Test Instruments	Remote Control, Calculator, Computer

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