



## DIAMEX INTERNATIONAL, LLC

### **ALPHA 125-3EH - ALPHA 125-3EB Standard Description:**

This pad is utilized in polishing silicon wafers. It ensures higher polishing capacity and speed than the suede-type pads. Its three-dimensional pore structure ensures polishing without disturbing flatness and parallelism of materials to be processed. The ALPHA 125-3 Standard is extremely effective in providing taper-free wafers. This pad exhibits excellent hydrolysis resistance under high alkalinity and temperature conditions.

**The Alpha 125-3EH material is closest to our original Alpha 125-3, which was discontinued two years ago.**

**The Alpha 125-3EB material is slightly coarser than the Alpha 125-3EH.**

### **Typical Physical Properties of Alpha 125-3 Series**

Thickness (inches): 0.050

Tensile Strength (kg/cm) *10% Elongation*

wp: 6.3

wf: 2.9

Tensile Strength (kg/cm) *20% Elongation*

wp: 10.6

wf: 4.8

Abrasion loss (mg): 11.5

Compressibility (%): 2.67

Hardness (MOH-C): 68/70

Maximum Available Diameter (inches): 54

### **Chemical Properties of Alpha 125-3 Series**

Acid Resistance (Hydrochloric Acid): pH (1-7)

Alkali Resistance (Caustic Soda): pH (7-13)

Heat Resistance (Softening Point): 190°C

NOTE: The above values represent typical measurements. Actual values may vary in range defined by product specifications.

wp = warp

wf = woof