



**DIAMEX INTERNATIONAL, LLC**

## **BETA SERIES POLISHING PADS FOR INTERMEDIATE AND FINAL POLISHING APPLICATIONS**

### **BETA Series Introduction:**

The Diamex BETA Series polishing pads are a family of intrinsically formed polyester/polyurethane materials specifically developed for intermediate and final polishing applications.

All Diamex pads in this group are suede-type napped poromeric materials, designed to endure various mechanical stresses and compression deformation. Each type of Diamex poromeric pads has unique advantages and functional characteristics for superior performance in the field of precision processing and polishing of semiconductor crystals, rigid disks, glass, metals, and plastics.

### **BETA-735 Description:**

This is a suede-type poromeric pad having a soft surface layer. It's nap features fine texture with vase shape pores. The substrate layer is relatively soft, designed to recover instantaneously from compression. This material is applicable for a wide range of final precision polishing applications.

**BETA-735 pads are available in both Plain and Embossed.**

### **Typical Physical Properties of Beta-735:**

Thickness (inches): 0.050

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

wp: 3.0

wf: 1.3

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

wp: 4.9

wf: 2.0

Peeling Strength (kg/cm)

wp: 2.2

wf: 1.8

Abrasion loss (mg): 22.2

Coefficient of Friction (g): 1.487

Compressibility (%): 5.40

Maximum Available Diameter (inches): 54

Pore Structure (vertical opening):

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

wp = warp

wf = woof