



PRODUCT INFORMATION BULLETIN

Spartan Polishing Pad Division **January 2010**

Spartan Gray High Tech G/B Polishing Pads

The **Spartan Gray High Tech G/B** Pad is a welcome addition to our diverse surface preparation product line. It compliments our HPB and HPC polishing pad offering and is an “application specific” pad for silicon, germanium, gallium arsenide and quartz materials. By varying the slurry particle size, concentration/specific gravity and pH, these Spartan Gray High Tech G/B pads will generate excellent surfaces while achieving realistic stock removal rates.

Polishing Pad Detailed Information

All pads are available with our own specially developed pressure sensitive adhesive (PSA), magnetic or loop backing to be used with various hook attachments. In the case of electronic applications using annular or single spindle polishers, we suggest a PSA backing selection. We currently have several types of PSA for temperature ratings up to 160°F, pH ranges from 1 to 13 and different adhesion strengths. Please call us and we will be pleased to provide more information relative to these various options.

Spartan Gray High Tech G/B Pad Characteristics

This material is a polymer, porous, cubic-structure, nonwoven, synthetic leather material. It has excellent surface wear resistance, high liquid absorbing ability and good resistance to shear mechanical stresses. It has a textured gray appearance with micro voids for improved slurry distribution. It is available in plain, embossed or perforated textured surfaces upon request. It can be compared to Diamex Alpha 125 or Eminess Suba pads.

Durometer

56+/- 5 (Asker C)

Compression

9% +/-5%; 80% +/- 20% Recovery

Thickness

1.30mm +/- 0.05 (~.050")

Diameter

Up to 53" pads

Impregnation/Coating

Non-impregnated; designed to be used with colloidal silica, cerium oxide, alumina, etc.

Chemical Resistance

Acid: pH 1-7

Caustic: pH 7-13

Heat Resistance of Pad Material

190°C (~374°F) for pad bulk matrix; application requirements depend on specific PSA rating.

Please feel free to continue to visit our website to stay abreast of news relating to our existing and new products. www.spartanfelt.com

Thank you for your continued business.

With Kind Regards;

John Welty

Polishing Division Manager

Spartan Polishing Pad Division of Spartan Felt Co. – 151 Felt Drive, Roebuck, SC-USA 29376

Tel: 864-576-7919 * Fax: 864-574-4507 * e-mail: jwelty@spartanfelt.com

