

SPS-1 POLISHING MATERIAL



Surface Preparation Division

DESCRIPTION:	A unique, cast, microcellular polymeric material specifically designed and manufactured for superior stock removal, flatness and surface finish. It is best suited for virgin silicon, delayering & planarization, compound semiconductor and electro-optic/IR materials and is best used in combination with the appropriate slurries for those materials. The proprietary composition of the bulk matrix is a balance of components and additives that form the correct density and structure to supplement the nature of the polishing solution being used for the "applications-specific" surface preparation process.
FOR USE ON:	Virgin silicon wafers & fabricated devices, Cadmium Telluride, Gallium Arsenide, ZnSe, sapphire, quartz and Stainless Steel
DUROMETER:	63 Shore D
COMPRESSION %:	0.40 (at 10 PSI)
DENSITY:	0.82g/cc ³
THICKNESS:	0.050" (1.27mm)
DIAMETER:	Up to 30" diameter pads (discs)
SURFACE PREPARATION:	Plain (grooved upon request)
BACKINGS:	PSA 2 3M High Temp Solvent Resistant.
IMPREGNATIONS:	No Impregnations
CAN REPLACE:	IC1000 Series
PERFORMANCE:	SPS-1 is a very hard and durable pad outside of the non-woven class. It is a special polymer and not a fiber pad. It is effective under light pressure or heavy pressure with a variety of slurries and has a proprietary cellular structure.

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