



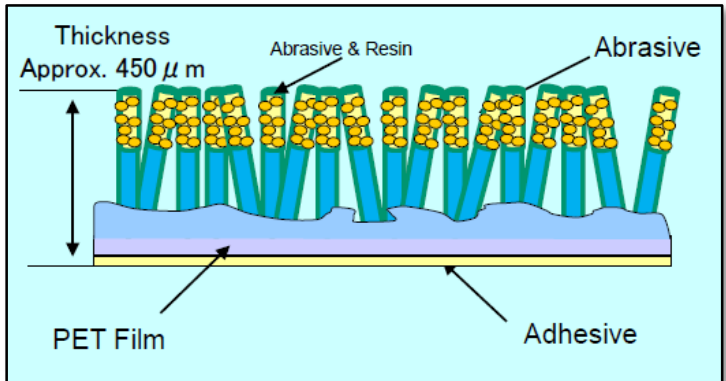
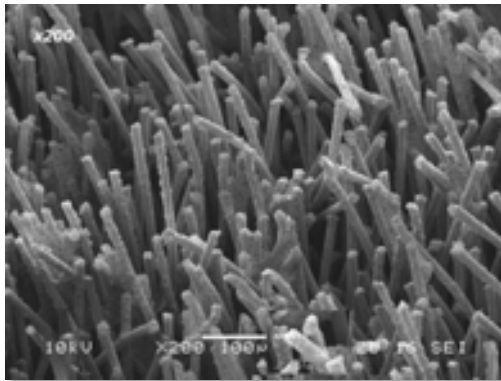
GENERAL

AO3K (fiber film) sheets are typically used for chemical mechanical polish (CMP) and optical connector polishing at ambient temperatures. These sheets are an abrasive pad constructed with 3mm to 5mm long fibers that have been embedded into a poromeric foam layer. The tiny fibers are coated with aluminum oxide abrasive particles and a resin binder.

AO3K cleaning films have been used in various off-line polishing steps to remove lightly adherent particles from the probe tips. During usage, the flexible and compliant tiny fibers move around the surface of a workpiece to create a less aggressive abrasive action.

Material Property	AO3K – Fiber Film
Color	Brown
Abrasive	#3000, Alumina
Installed Thickness	450 ± 100µm
Maximum Operating Temperature	0C < T < 80C

SURFACE AND CROSS SECTION



	Cleaning Material Configuration			
	Sheet	200mm Wafer	300mm Wafer	Custom Install
AO3K Layer Thickness	450 µm (nominal)	450 µm (nominal)	450 µm (nominal)	450 µm (nominal)
Support Carrier		725 ± 20µm (SEMI Standard)	775 ± 20µm (SEMI Standard)	Contact ITS
Total Installed Stack Height	450 ± 100µm ¹	1175 ± 120µm ¹	1225 ± 120 µm ¹	Contact ITS

1. Due to the compressibility and variable heights of the fibers, the nominal material thickness should be used as the starting prober overtravel.

AO3K (FIBER FILM)

PCC-PD-AO3K-FiberFilm

