GENERAL

AO8K (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.

AO8K 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.

SURFACE AND CROSS SECTION

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

<table>
<thead>
<tr>
<th>Material Property</th>
<th>AO8K – Fiber Film</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Brown</td>
</tr>
<tr>
<td>Abrasive</td>
<td>#8000, Alumina</td>
</tr>
<tr>
<td>Installed Thickness</td>
<td>450 ± 100µm</td>
</tr>
<tr>
<td>Maximum Operating Temperature</td>
<td>0°C &lt; T &lt; 80°C</td>
</tr>
</tbody>
</table>

Cleaning Material Configuration

<table>
<thead>
<tr>
<th>AO8K Layer Thickness</th>
<th>Sheet</th>
<th>200mm Wafer</th>
<th>300mm Wafer</th>
<th>Custom Install</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>450 µm (nominal)</td>
<td>450 µm (nominal)</td>
<td>450 µm (nominal)</td>
<td>450 µm (nominal)</td>
</tr>
<tr>
<td>Support Carrier</td>
<td>725 ± 20µm (SEMI Standard)</td>
<td>775 ± 20µm (SEMI Standard)</td>
<td>Contact ITS</td>
<td></td>
</tr>
<tr>
<td>Total Installed Stack Height</td>
<td>450 ± 100µm¹</td>
<td>1175 ± 120µm¹</td>
<td>1225 ± 120µm¹</td>
<td>Contact ITS</td>
</tr>
</tbody>
</table>

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