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## DIAMOND LAPPING FILM SPECIFICATION SHEET

<b>Product Description</b>	Diamond lapping films. Precisely graded diamond abrasives coated onto a polyester film. Available with or without a pressure sensitive adhesive (PSA).																								
<b>Applications</b>	Precision surface finishing for microelectronics, fiber optics, flat lapping and for other super finishing operations.																								
<b>Features</b>	<ul style="list-style-type: none"> <li>-Precision surface finishing</li> <li>-Flat surfaces</li> <li>-Non-slurry polishing</li> <li>-Uniform surface finishes</li> </ul>																								
<b>Converted Form</b>	Disks, rolls, sheets (max. size 12-inch diameter), with or without PSA																								
<b>Backing</b>	Standard 3 mil thickness (alternative thickness' available as special orders)																								
<b>Grading/ color chart</b>	<table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th>Micron size (average)</th> <th>Color code</th> </tr> </thead> <tbody> <tr><td>0.1</td><td>Dark Tan</td></tr> <tr><td>0.5</td><td>Tan</td></tr> <tr><td>1.0</td><td>Violet</td></tr> <tr><td>3</td><td>Light Red</td></tr> <tr><td>6</td><td>Light Tan</td></tr> <tr><td>9</td><td>Blue</td></tr> <tr><td>15</td><td>Orange</td></tr> <tr><td>30</td><td>Green</td></tr> <tr><td>45</td><td>Amber</td></tr> <tr><td>60</td><td>Amber</td></tr> </tbody> </table>			Micron size (average)	Color code	0.1	Dark Tan	0.5	Tan	1.0	Violet	3	Light Red	6	Light Tan	9	Blue	15	Orange	30	Green	45	Amber	60	Amber
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<b>Bonding resins</b>	Available in either a standard resin or tougher resin																								
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<b>Recommended Lubricants</b>	The performance and life of the lapping films can be significantly improved with the use of the POLYLUBE lapping lubricant (PDL-3000) and for corrosion sensitive materials, the POLYLUBE Red (PDL-3000R)																								