

# Diamond Lapping Film

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Applied to a flat substrate, these 3" × 6" PSA-backed polyester sheets can be used with water, but we have found a light oil is best for carrying away the swarf. Not only valuable for routine sharpening in the workshop, these are much more portable than stones, so you can readily sharpen wherever you happen to be working.

The monocrystalline diamond particles have outstanding fracture resistance, and are precisely graded for size – a combination of properties that yields an abrasive that cuts at an impressive rate, yet wears slowly and produces a highly regular scratch pattern. This makes it important to work through the grits in sequence: first the 15 micron film for shaping the primary bevel, then the 3 micron for establishing a micro-bevel, and then the 0.5 micron and 0.1 micron sheets for polishing and refining the edge. It can take as few as four to six strokes on each grit to reach a finished edge.

## Color-Coded Grit

Color	Grit	Primary Use	Item Number
Orange	15μ	Shaping the primary bevel	54K96.08
Pink	3μ	Establishing a micro-bevel	54K96.05
Beige	0.5μ	Polishing and refining an edge	54K96.02
Green	0.1μ	Polishing and refining an edge	54K96.01