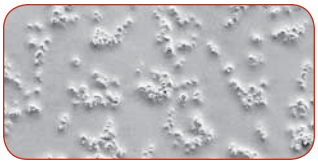
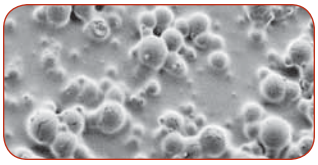
Diamond Lapping Film



SEM photo, 6 µm Standard Diamond Lapping Film (150X)



SEM photo, 6 µm Type B Diamond Lapping Film (150X)

Standard Discs (Pk/5)

Standard Diamond Lapping Film consists of precision graded diamond particles resin bonded to a uniform film. They provide excellent edge retention and maintain coplanarity regardless of varying materials or hardness within the sample. Typically used for unencapsulated cross-sectioning, TEM wedge/plan-view polishing, backside polishing and FIB sample thinning.

Micron (µm)	8" Plain Back	8" Adhesive Back	12" Plain Back
35	50-30038	50-30118	50-31238
30	50-30040	50-30120	50-31240
15	50-30045	50-30125	50-31245
9	50-30050	50-30130	50-31250
6	50-30055	50-30135	50-31255
3	50-30060	50-30140	50-31260
1	50-30065	50-30145	50-31265
0.5	50-30070	50-30150	50-31270
0.25	50-30073	50-30153	-
0.1	50-30075	50-30155	50-31275
Assort	50-30076*	50-30156*	-

*includes one (1) of each micron size

Type B Discs (Pk/5)

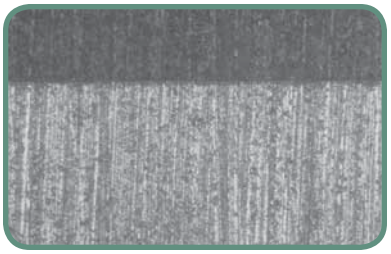
Type B Diamond Lapping Film has diamond particles contained in ceramic beads that are resin-bonded to the film. As the beads wear away, new diamond particles are exposed to allow continuous, aggressive material removal. Type B film provides a coarser finish grade-for-grade compared with standard diamond lapping film, and is typically used for encapsulated samples.

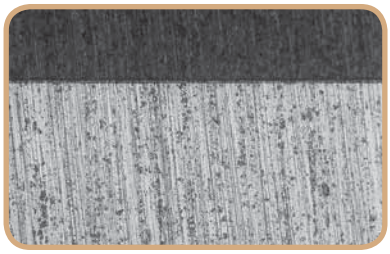
Micron (µm)	8" Plain Back	8" Adhesive Back	12" Adhesive Back
9	50-30050B	50-30130B	50-30170B
6	50-30055B	50-30135B	50-30175B
3	50-30060B	50-30140B	50-30180B
1	50-30065B	50-30145B	50-30185B
0.5	50-30070B	50-30150B	50-30190B

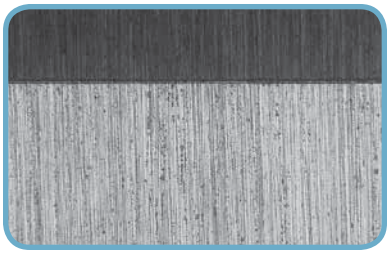
Storage Book

Chemically pure, lintless blotting paper dries and protects lapping film. Wax paper separates each blotter.

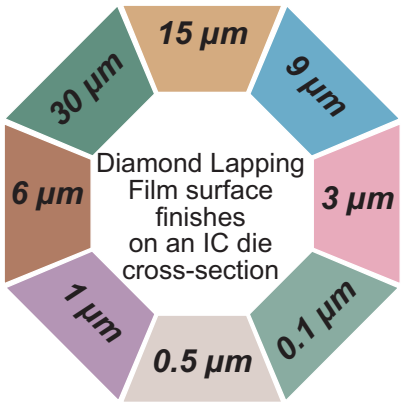
Item	Description
50-30000	Storage Book for 8" Films


30 µm @ 100X (20 seconds)

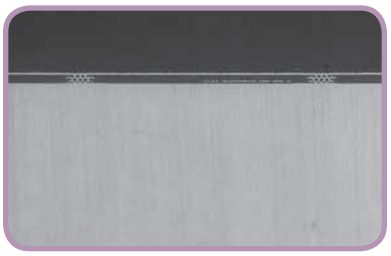

15 µm @ 100X (20 seconds)

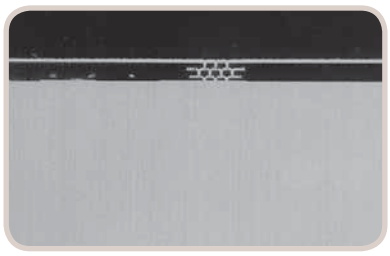

9 µm @ 100X (20 seconds)

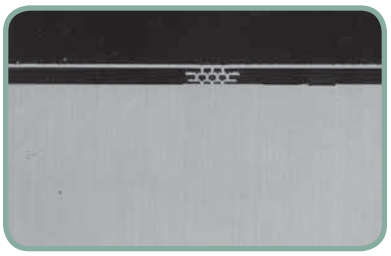

6 µm @ 100X (20 seconds)




3 µm @ 100X (20 seconds)


1 µm @ 500X (20 seconds)


0.5 µm @ 1,000X (20 seconds)


0.1 µm @ 1,000X (20 seconds)

Al_2O_3, SiC & SiO_2 Lapping Film

Lapping film consists of a mylar film coated with resin containing either aluminum oxide, silicon carbide or silicon oxide abrasive. It is recommended for fine grinding and lapping applications where edge retention is important.

Features:

- Micron graded premium abrasives to produce precise finishes in grades 30 to 0.01 micron
- Precision backing for uniformity and sample planarity
- Resists water, oil and most solvents
- Color-coded for quick identification
- Use for encapsulated or non-encapsulated samples
- Not recommended for power head applications

Aluminum Oxide: for ferrous metals, glass

Silicon Carbide: for non-ferrous metals, polymers

Silicon Dioxide: as an alternative to colloidals and cloths for final polish on SEM and TEM samples

Aluminum Oxide Lapping Film

Silicon Carbide & Silicon Dioxide Films

8" (203 mm) Plain Back Discs (Pk/50)

Micron (µm)	Al_2O_3	SiC	SiO
30	50-20040	50-20075	-
15	-	50-20080	-
12	50-20045	-	-
9	50-20050	50-20085	-
5	50-20052	50-20090	-
3	50-20055	-	-
1	50-20060	50-20095	-
0.3	50-20065	-	-
0.05	50-20067	-	-
0.01	-	-	50-20097 (Pk/20)
Assortment	50-20070*	50-20105*	-

* includes ten (10) of each micron size