

DIA-STRIP & DIA-SHEET LAPPING & POLISHING FILM FOR PRECISION MICRO FINISHING

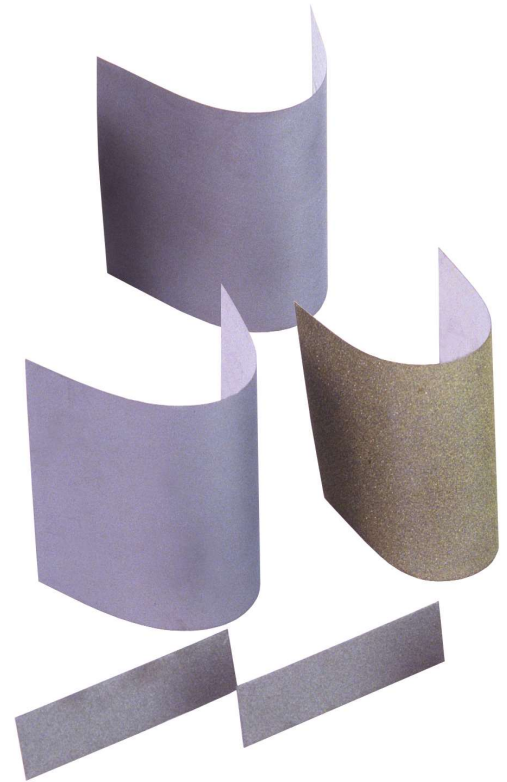
Dia-Strip and Dia-Sheet Lapping and Polishing Film from Titan Tool Supply provides cost-effective, reliable, micro finishing support for a variety of challenging lapping and deburring tasks, including the precision polishing of plastic molds, die cast dies, carbide, and ceramics. The film can cut virtually any material, including steel, stainless steel, carbide, ceramics, glass, plastics and wood. The film is also compatible for use with EDM surface finishes, which otherwise are typically too hard to be touched by most abrasives.

Dia-Strip and Dia-Sheet precision micro finishing lapping and polishing films incorporate pure virgin diamond powders in their highest concentrated forms for maximum material strength, durability, and performance. The powders are first expertly graded for uniformity, then held into place by a thin nickel, with 90% of the grains left exposed for cutting. The grains are unable to escape the film due to the strength of the bonding agent.

The film is offered with a choice of either 2" x 4" sheets (Dia-Sheets); or 0.5" x 2" strips (Dia-Strips), and in thicknesses ranging from 0.003" to 0.019". It is further offered with a choice of six unique grits, ranging from coarse 80/100 (0.012" thickness), to superfine 1100 (0.003" thickness). Overall film flexibility and thickness is directly proportional to customer choice of coarseness or grain size.

This unique construction makes Dia-Sheets and Dia-Strips highly durable, yet also flexible, bendable, formable, and highly adaptable. The film is easily cut to size via scissors or tin snips. As the film backing is completely flat, it can be easily bonded onto any material or shape to create specialty tooling, lapping, deburring wheels. This makes it also particularly useful within plastic mold and cast die manufacturing applications, where the precision polishing of thin slots and slits is typically required, and yet where traditional polishing stones would otherwise be prone to breakage. It is also ideal for precision polishing requirements within space-constrained environments, as well as the lapping of curves, contours, or other complex geometries. All film comes with 3M double-sided industrial tape for ease of application.

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ORDERING INFORMATION

DIA-STRIP				DIA-SHEETS
1/2" Wide x 2" Long				2" Wide x 4" Long
ORDER #	GRIT	THICKNESS	APPLICATION	ORDER NUMBER
DDF-1	80/100	.012"	Coarse	DDF-52
DDF-2	100/120	.008"	Medium	DDF-53
DDF-3	200/240	.0065"	Medium-Fine	DDF-54
DDF-4	270/315	.005"	Fine	DDF-55
DDF-5	700 (30 Micron)	.004"	Ultra-Fine	DDF-56
DDF-6	1100(15 Micron)	.003"	Lapping	DDF-57

GRIT, THICKNESS AND APPLICATIONS ARE SAME FOR DIA-FOIL AND DIA-SHEETS