

(USD DOLLARS)

MetLab Corporation



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ROCKWELL DIAMOND INDENTERS

NIST Traceable

	Part #	Order Description	Price
STANDARD DIAMOND INDENTERS			
ASTM E18-08B Rockwell Diamond Indenter	DI-C	Standard C Scale	
	DI-N	Standard N Scale	
	DI-A	Standard A Scale	
	DI-CN	Combination C & N Scale	
NEWAGE® VERSITRON & INDENTRON DIAMOND INDENTERS			
ASTM E18-08B Rockwell Diamond Indenter	DI-C-V	Standard C Scale - Versitron	
	DI-N-V	Standard N Scale - Versitron	
	DI-C-VT	C Scale - Taper Versitron	
	DI-N-VT	N Scale - Taper Versitron	
	DI-C-I	Standard C Scale - Indentron	
	DI-N-I	Standard N Scale - Indentron	
	DI-A-I	Standard A(Carbide) - Indentron	
	DI-CN-I	C & N Combination - Indentron	
PORTABLE HARDNESS TESTERS – DIAMOND INDENTERS			
ASTM E18-08B Rockwell Diamond Indenter	PDI-C-W	C Scale - Portable Wilson	
	PDI-C-CAR	C Scale - Portable Clark, ATS	
	PDI-C-A	C Scale - Portable Ames	

Other indenters are available upon request

Calibration Certificates are supplied with all diamond indentors



BALL PENETRATORS & CARBIDE BALLS

	Part #	Order Description	Price
ROCKWELL CARBIDE BALL PENETRATORS (CLASS B)			
ASTM E18 - Compliant to the latest ASTM E18 Revision which includes required Long Form Certification.	CRBP-16	1/16" Penetrator with Ball	
	CRBP-8	1/8" Penetrator with Ball	
	CRBP-4	1/4" Penetrator with Ball	
	CRBP-2	1/2" Penetrator with Ball	
ROCKWELL CARBIDE BALLS (CLASS B)			
ASTM E18 - Compliant to the latest ASTM E18 Revision which includes required Long Form Certification.	CRB-16	1/16" Carbide Ball	
	CRB-8	1/8" Carbide Ball	
	CRB-4	1/4" Carbide Ball	
	CRB-2	1/2" Carbide Ball	
BRINELL CARBIDE BALLS (CLASS B)			
ASTM E18 - Compliant	CRB-10	10mm Carbide Ball	
	CRB-25	2.5mm Carbide Ball	



DIAMOND SUSPENSIONS

WATER / OIL SOLUABLE

Heavy Concentration Superior Grade

MONOCRYSTALLINE

μm	airspray 8 oz	bottle only 8 oz	trigger spray 16 oz	refill 32 oz	refill 128 oz
.10	M240	M250	M260	M260-32	M260-128
.25	M241	M251	M261	M261-32	M261-128
.50	M242	M252	M262	M262-32	M262-128
1	M243	M253	M263	M263-32	M263-128
3	M244	M254	M264	M264-32	M264-128
6	M245	M255	M265	M265-32	M265-128
9	M246	M256	M266	M266-32	M266-128
15	M247	M257	M267	M267-32	M267-128
30	M248	M258	M268	M268-32	M268-128
45	M249	M259	M269	M269-32	M269-128

METLAB highest quality virgin diamond particles which are presently used in our widely acceptable diamond compounds and airspray s have now been formulated into our new Diamond Suspensions. These suspensions are suitable for use in power lapping, general polishing applications or in automated diamond dispensing systems.



DIAMOND SUSPENSIONS

WATER / OIL SOLUABLE

Heavy Concentration Superior Grade

POLYCRYSTALLINE

μm	bottle only 8 oz	finger pump 8 oz	trigger spray 16 oz	refill 32 oz	refill 128 oz
.25	M270	M280	M280-16	M280-32	M280-128
1	M271	M281	M281-16	M281-32	M281-128
3	M272	M282	M282-16	M282-32	M282-128
6	M273	M283	M283-16	M283-32	M283-128
9	M274	M284	M284-16	M284-32	M284-128
15	M275	M285	M285-16	M285-32	M285-128
30	M276	M286	M286-16	M286-32	M286-128
45	M277	M287	M287-16	M287-32	M287-128

Supreme grade constant suspensions use polycrystalline (black) diamond particles which have a greater number of cutting edges than our standard monocrystalline diamond suspensions. These increased edges reduce subsurface deformation especially on samples which are of different materials and hardness. Ideally suited for use in power lapping, general polishing applications or in all automated diamond dispensing systems.

ABRASIVE GRINDING DISCS

PLAIN PRODUCTION

Grit	Qty	200mm (7.87")	250mm (9.84")	300mm (11.81")
60	100	M106-60-PRO	M180-60-PRO	M120-60-PRO
120	100	M106-120-PRO	M180-120-PRO	M120-120-PRO
180	100	M106-180-PRO	M180-180-PRO	M120-180-PRO
240	100	M106-240-PRO	M180-240-PRO	M120-240-PRO
320	100	M106-320-PRO	M180-320-PRO	M120-320-PRO
400	100	M106-400-PRO	M180-400-PRO	M120-400-PRO
600	100	M106-600-PRO	M180-600-PRO	M120-600-PRO

OTHER SIZES AVAILABLE UPON REQUEST

ABRASIVE GRINDING DISCS

PSA PRODUCTION

Grit	Qty	200mm (7.87")	250mm (9.84")	300mm (11.81")
60	100	M112-60-PRO	M114-60-PRO	M115-60-PRO
120	100	M112-120-PRO	M114-120-PRO	M115-120-PRO
180	100	M112-180-PRO	M114-180-PRO	M115-180-PRO
240	100	M112-240-PRO	M114-240-PRO	M115-240-PRO
320	100	M112-320-PRO	M114-320-PRO	M115-320-PRO
400	100	M121-400-PRO	M114-400-PRO	M115-400-PRO
600	100	M112-600-PRO	M114-600-PRO	M115-600-PRO

WET / DRY SILICON CARBIDE C WEIGHT ABRASIVE GRINDING DISCS

are manufactured in North America and are classified to U.S standards. FEPA is grit classification according to abrasives manufactured in Europe and are classified to European standards.

US (CAMI)	60	80	120	180	240	320	400	600	800	1200
P GRADE (FEPA)	P60	P80	P120	P180	P220	P500	P800	P1200	P2400	P4000
MICRON SIZE	268	192	125	76	52	35	22	14	10	5

COMPRESSION MOLDING POWDERS

Name	Color	5 lbs	25 lbs
LUCITE	TRANSPARENT	M125	M125-25
LUCITE THERMOPLASTIC provides an economical transparent mount for specimens. Allows the operator to see areas of interest in the mount. Good edge retention & med hardness.			
PHENOLIC THERMOSETTING	BLACK	M126	M126-25
	RED	M127	M127-25
	GREEN	M128	M128-25
PHENOLIC THERMOSETTING These are the most popular and economical materials to use. Its fast , has a med shrinkage, med edge retention and low hardness.			
DIALLYL PHTHALATE SHORT GLASS	BLUE	M131	
	GREEN	M132	
DIALLYL PHTHALATE SHORT GLASS used for a harder surface finish. Chemical resistant. Excellent edge retention.			
DIALLYL PHTHALATE MINERAL FILLED	BLUE	M130	
DIALLYL PHTHALATE MINERAL FILLED provides moderate shrinkage and chemical resistance. Excellent edge retention, high hardness.			
BLACK EPOXY COURSE/GLASS FILLED	BLACK	M129C	M129C-25
BLACK EPOXY FINE/GLASS	BLACK	M129	M129-25
BLACK EPOXY THERMOSETTING has superior edge retention, tough grinding and excellent flow characteristics. Chemical resistant. High hardness.			
CARBON FILLED POWDER	1 LB.	M134	
NICKEL FILLED POWDER	1 LB.	M134-N	
COPPER FILLED POWDER	1 LB.	M134-C	

CONDUCTIVE FILLED POWDERS. Mounting powder to make conductive mounts for SEM & OES applications.

PHENOLIC PREFORMS

Color	Qty	1"	1.25"	1.50"
BLACK	500	M126LA	M126LB	M126LC
RED	500		M127LB	M127LC
GREEN	500		M128LB	M128LC

PHENOLIC PREFORMS involves a combination of pressure and high temperature to mount the specimen in a form. Phenolic preforms are a convenient form for increased speed and production. Exhibits medium edge retention and hardness properties.

