



DIAMOND: POWDERS, COMPOUNDS & SLURRIES

More than offer an extensive line of quality, technologically advanced products, we strive to be a useful resource for your questions and unique applications. If you don't find what you're looking for here please call us at 800.645.7173. As we have for over 75 years, we stand ready to respond to your specific needs quickly and thoroughly with fast, dependable service and accurate technical assistance.



DIAMOND POWDERS STANDARD AVAILABILITY

Our line of diamond products conforms to all recognized size standards*. Intermediate sizes are available upon request. For polycrystalline or natural diamond powder size availability, please call.

GRADE	METAL	RESIN	USBS GRADE	EQUIVALENT FEPA	MESH SIZE EQUIVALENT	GRADE	METAL	RESIN	USBS GRADE	EQUIVALENT FEPA	MESH SIZE EQUIVALENT
1/10	0-1/5					8	5-10	5-10			2,200
1/8	0-1/4	0-1/4				9	6-12	6-12			
1/4	0-1/2	0-1/2			100,000	10	8-12	-	9	M10	1,800
1/2	0-1	0-1	1/2		50,000	12	- 10-15	8-16 -			
3/4	1/2-1	1/2-1			28,000	15	10-20 -	- 12-22	15	M16	1,200
1	0-2	0-2	1	M1.0	14,000	18	15-20	-			
1-1/2	1-2	1-2				20	15-25	15-25			1,000
2	1-3	1-3			12,000	22	20-25	-			
2-1/2	2-3	2-3		M2.5		25	20-30	20-30		M25	800
3	2-4	2-4	3	M4.0	8,000	30	20-40	20-40	30		600
3-1/2	2-5	2-5				35	30-40	30-40			500
4	2-6 3-5	2-6 3-5				40	30-50	30-50		M40	
5	4-6	4-6				45	40-60	40-60	45		325
6	4-8 5-7	4-8 -	6	M6.3	3,000	60	54-80	54-80	60	M63	270

*Meets or exceeds size standards of National Bureau of Standards (USA) & F.E.P.A. (Europe).

For more information or to place an order contact us via email: info@universalphotonics.com or call 800.645.7173
 UNIVERSAL PHOTONICS INCORPORATED • 495 WEST JOHN STREET • HICKSVILLE, NY 11801 • 516.935.4000



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DIAMOND COMPOUNDS STANDARD AVAILABILITY

	MICRON GRADE	MICRON RANGE	MESH SIZE EQUIVALENT	COLOR	CONCENTRATION		MICRON GRADE	MICRON RANGE	MESH SIZE EQUIVALENT	COLOR	CONCENTRATION
ULTRA FINE FOR METAL & CERAMICS RA 0-1	1/10	(0-1/4)	200,000	DARK GREY	STANDARD	FINE FINISH PREPARATORY LAPPING RA 6-20	15	(10-20)	1,200	BLUE	MEDIUM STANDARD HEAVY
	1/4	(0-1/2)	100,000	GREY			20	(15-25)	800	AUBURN	
	1/2	(0-1)	60,000	LIGHT GREY			30	(20-40)	600	RED	
	1	(0-2)	14,000	IVORY	MEDIUM STANDARD HEAVY		45	(30-60)	325	BROWN	
SUPER FINE FINAL FINISHING FOR DIES, MOLDS, SEALS & MOST OTHER APPLICATIONS RA 1-6	3	(1-5)	8,000	YELLOW	MEDIUM STANDARD HEAVY		60	(54-80)	230	PURPLE	
	6	(4-8)	3,000	ORANGE			90	(80-100)	170	BLACK	
	9	(6-12)	1,800	GREEN							
	12	(10-15)	1,500	AQUA							

DIAMOND SLURRIES STANDARD AVAILABILITY

	MICRON GRADE	MICRON RANGE	MESH SIZE EQUIVALENT	COLOR	CONCENTRATION		MICRON GRADE	MICRON RANGE	MESH SIZE EQUIVALENT	COLOR	CONCENTRATION		
ULTRA FINE FINEST MIRROR FINISHES RA 0-1	1/10	(0-1/4)	200,000	COLORLESS	MEDIUM STANDARD HEAVY	SUPER FINE FINAL FINISHING METAL CARBIDES, CERAMICS, ALUMINUM OXIDES & OTHER SUPER-HARD MATERIALS RA 1-6	5	(4-6)	4,000	ORANGE	MEDIUM STANDARD HEAVY		
	1/4	(0-1/2)	100,000				6	(4-8)	3,000	ORANGE			
	1/2	(0-1)	60,000				9	(6-12)	1,800	GREEN			
	1	(0-2)	14,000				12	(10-15)	1,500	AQUA			
	2	(1-3)	11,000				15	(10-20)	1,200	BLUE			
SUPER FINE FINAL FINISHING METAL CARBIDES, CERAMICS, ALUMINUM OXIDES & OTHER SUPER-HARD MATERIALS RA 1-6	3	(1-5)	8,000	YELLOW	MEDIUM STANDARD HEAVY		FINE FINISH STOCK REMOVAL & FLATTENING OPERATIONS PRIOR TO FINAL FINISHING STEPS RA 6-20	20	(15-25)	800		AUBURN	MEDIUM STANDARD HEAVY
	4	(3-5)	6,000	YELLOW				30	(20-40)	600		RED	
								45	(30-60)	325		BROWN	

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