Abrasives and Grits for Sandpaper, Honing Stones and Powered grits -Definitions:

Federal European Producers of Abrasives. They have 2 classes of measure: 1 for sandpaper and one for abrasive stone, (FEPA F) The decisive factor for comparison is FEPA F. FEPA P is only used for sanding paper.
JIS (Japanese Industrial Standard) issued by the Japanese Standards Association.
JIS (Japanese Industrial Standard) issued by the Japanese Standards Association.
ANSI American National Standards Institute.
MICRON (µ) is the letter "micron" in the Greek alphabet. As measuring unit it describes 1 thousandth of a millimeter (1 µ = 0.001 mm). A Micron row is added to each FEPA P, FEPA F, JIS und ANSI row for comparison.
MM Micro-mesh grit in comparison to other standards.
Grit sizes are defined by the number of lines per inch (25.4 mm) length of each sieve e.g. 150 lines per inch. Abrasives grit 150 will pass this sieve. This chart is a general overview only. We are not responsible for any errors.

Sanding Media and their respective grits

Abrasive	Micron Size	FEPA P Paper	Micron µm	FEPA F Grain	Micron µm	JIS R6001 Japan	Micron µm	ANSI	Micron µm	MM
Norton 3X - P120	127					1973				
CAMI spec 120 paper	116			F5	4125					
CAMI spec 150 paper	100			F6	3460					
Steel Wool - #1	100			F7	2900					
3M Handpad - Gray	100			F8	2460					
CAMI 180	80			F10	2085					
Norton 3X - P180	78	P12	1815	F12	1765					
Norton 3X - P220	60			F14	1470					
CAMI 320	46	P16	1324	F16	1230					
DMT Dia-Sharp - Blue	45	P20	1000	F20	1040					
Steel Wool - #0	44			F22	885					
Steel Wool - #00	41	P24	764	F24	745					
3M Handpad - Maroon	40	P30	642	F30	625					
Norton 3X - P400	35	P36	538	F36	525					
3M No-Load - P600	26	P40	425	F40	438					
3M wet-dry - 400 CAMI	26			F46	370					
DMT Dia-Sharp - Red	25	P50	336	F54	310					
Micro Mesh 1500	22.5	P60	269	F60	260	J60				
3M wet-dry - 600 CAMI	16			F70	218					
Micro Mesh 1800	14	P80	201							
Steel Wool - #0000	13			F80	185					
Micro Mesh 2400	13	P100	162							
Micro Mesh 3200	12			F90	154					
Beall Tripoli (EEE) Buffing Compound	10	P120	125	F100	129	J100	125	100	125	
3M Handpad - Light Gray	10			F120	109					
3M wet-dry - 1000 CAMI	9.2	P150	100							
DMT Dia-Sharp - Green	9	P180	82	F150	82	J150	80	150	80	
3M wet-dry - 1500 CAMI	8.4	P220	68	F180	69	J180	70	180	70	
3M Handpad - White	8			F220	58	J220	58	220	58	
Micro Mesh 3600	7.5 - 8									
3M wet-dry - 2000 CAMI	6					J240	80			
Micro Mesh 4000	5.5					J280	68			
Novus 2 - 1200 grit (ANSI 1200)	5.5	P240	58.5 ±2			J320	57			
Beall White Diamond Buffing Compound	5	P280	52.2 ±2	F230	53 ±3			240	51	
Automotive Polishing compound	5	P320	46.2 ±1.5			J360	48			
Micro Mesh 6000	4			F240	44.5 ±2					
Micro Mesh 8000	3	P360	40.5 ±1.5			J400	40	280	41.5	
Micro Mesh 12000	2	P400	35.0 ±1.5	F280	36.5 ±1.5					
Automotive swirl remover	1.5					J500	34	320	33	
Micro Mesh gloss - 14000	1	P500	30.2 ±1.5	F320	29.2 ±1.5	J600	29	360	28	
HUT Ultra Gloss	< 1	P600	25.8 ±1							
Green Compound	0.5	P800	21.8 ±1	F360	22.8 ±1.5	J700	24	400	22.5	1500
Cerium Oxide	.3-3.5	P1000	18.3 ±1			J800	20			
				F400	17.3 ±1	J1000	16	500	18	
		P1200	15.3 ±1					600	14	1800
		P1500	12.6 ±1	F500	12.8 ±1	J1200	13			2400
		P2000	10.3 ±0.8					800	12	3200
				F600	9.3 ±1	J1500	10			
		P2500	8.4 ±0.5			J2000	8	1000	7.8	
		P3000	7							
		P5000	5							
				F800	6.5 ±1					
				F1000	4.5 ±0.8	J3000	5	1200	5.5	4000
										6000
				F1200	3.0 ±0.5	J4000	3			8000
				F1500	2.0 ±0.4	J6000	2			12000
				F2000	1.2 ±0.3	J8000	1.2			15200

Mesh Conversion Mesh = How many openings in 1 sq. inch

US Mesh	Micron	Inches
5	4,000 um	0.157
10	2,000 um	0.0787
20	850 um	0.0331
24	690 um	0.027
30	560 um	0.022
36	485 um	0.019
40	425 um	0.016
46	355 um	0.014
54	305 um	0.012
60	250 um	0.01
70	210 um	0.0083
80	165 um	0.0065
90	145 um	0.0057
100	149 um	0.0059
120	125 um	0.0049
140	105 um	0.0041
150	89 um	0.0035
170	88 um	0.0031
180	76 um	0.003
200	75 um	0.0029
220	63 um	0.0025
240	53 um	0.002
280	44 um	0.0015
320	36 um	0.0012
400	23 um	0.00087
500	19 um	0.00075
600	16 um	0.00063
800	12 um	0.00047
1,000	9 um	0.00028
1,200	6 um	0.00024

Cerium Oxide	*.3-3.5 micron*	Average Grit Sizes
Rottenstone	*8-12 micron*	Average Grit Sizes

Pumice Grades

Grade 4	Particle Size - 0.4 to 1.4 MM (14 to 40 Mesh)
Grade 3	Particle Size - 0.2 to 0.6 MM (30 to 80 Mesh
Grade 2	Particle Size - 0.15 to 0.4 MM (40 to 100 Mesh)
Grade 1	Particle Size - 0.1 to 0.3 MM (50 to 120 Mesh)
Grade 0-3/4	Particle Size - 0.075 to 0.2 MM (80 to 200 Mesh)
Grade 0-1/2	Particle Size - 0.04 to 0.2 MM (80 to 200 Mesh)
Grade 1/0	Particle Size - 20% Finer Than 44 Microns (325 Mesh)
Grade 2/0	Particle Size - 30% Finer Than 44 Microns (325 Mesh)
Grade 3/0	Particle Size - 35% Finer Than 44 Microns (325 Mesh)
Grade 4/0	Particle Size - 45% Finer Than 44 Microns (325 Mesh)
Grade 5/0	Particle Size - 50% Finer Than 44 Microns (325 Mesh)
Grade F	Particle Size - 70% Finer Than 44 Microns (325 Mesh)
Grade FF	Particle Size - 75% Finer Than 44 Microns (325 Mesh)
Grade FFF	Particle Size - 80% Finer Than 44 Microns (325 Mesh)
Grade FFFF	Particle Size - 85% Finer Than 44 Microns (325 Mesh)