



## ZHENGZHOU JINGCHENG ABRASIVES CO.,LTD

### F12~F220 & F230~F2000 Particle Size Conversion Chart (FEPA)

This chart is designed to compare millimeters, microns and inches to sieve sizes and match them to corresponding FEPA grit.

FEPA Grit	Millimeters	Microns*	Inches	100 % min Sieve	20% max Sieve	40% min Sieve	70% min Sieve	3% max Sieve
<b>F12</b>	1.7	1700	0.068	7	10	12	12+14	16
				100% min	20% max	45% min	70% min	3% max thru
<b>F14</b>	1.4	1400	0.056	8	12	14	14+16	18
<b>F16</b>	1.18	1180	0.047	10	14	16	16+18	20
<b>F20</b>	1	1000	0.04	12	16	18	18+20	25
<b>F22</b>	0.85	850	0.034	14	18	20	20+25	30
				100% min	25% max	40% min	65% min	3% max thru
<b>F24</b>	0.71	710	0.028	16	20	25	25+30	35
<b>F30</b>	0.6	600	0.024	18	25	30	30+35	40
<b>F36</b>	0.5	500	0.02	20	30	35	35+40	45
				100% min	30% max	40% min	65% min	3% max thru
<b>F40</b>	0.425	425	0.017	25	35	40	40+45	50
<b>F46</b>	0.355	355	0.014	30	40	45	45+50	60
<b>F54</b>	0.3	300	0.012	35	45	50	50+60	70
<b>F60</b>	0.25	250	0.010	40	50	60	60+70	80
				100% min	25% max	40% min	65% min	3% max thru
<b>F70</b>	0.212	212	0.008	45	60	70	70+80	100
<b>F80</b>	0.18	180	0.007	50	70	80	80+100	120

				100% min	20% max	40% min	65% min	
<b>F90</b>	0.15	150	0.006	60	80	100	100+120	140
<b>F100</b>	0.125	125	0.005	70	100	120	120+140	200
<b>F120</b>	0.106	106	0.004	80	120	140	140+170	230
				100% min	15% max	40% min	65% min	3% max thru
<b>F150</b>	0.075	75	0.0030	100	140	200	200+230	325
<b>F180</b>	0.063	60	0.0025	120	170	200+230	200+230+270	-
				100% min	15% max	40% min	60% min	
<b>F220</b>	0.053	53	0.0021	140	200	230+270	230+270+325	-

\*Micron size is based upon the 40% min sieve.

<b>FEPA Grit</b>	<b>Millimeters</b>	<b>Microns*</b>	<b>Inches</b>	<b>d3 max</b>	<b>d50</b>	<b>d94 min</b>		
F230	0.053	53	0.00211	82	50.0 - 56.0	34		
F240	0.0445	44.5	0.00177	70	42.5 - 46.5	28		
F280	0.0365	36.5	0.00145	59	35.0 - 38.0	22		
F320	0.0292	29.2	0.00116	49	27.7 - 30.7	16.5		
F360	0.0228	22.8	0.00091	40	21.3 - 24.3	12		
F400	0.0173	17.3	0.00069	32	16.3 - 18.3	8		
F500	0.0128	12.8	0.00051	25	11.8 - 13.8	5		
F600	0.0093	9.3	0.00037	19	8.3 - 10.3	3		
F800	0.0065	6.5	0.00026	14	5.5 - 7.5	2		
F1000	0.0045	4.5	0.00018	10	3.7 - 5.3	1		
F1200	0.003	3	0.00012	7	2.5 - 3.5	1 (at d80)		



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