

Sandpaper grit conversion chart

CAMI (US) and FEPA P (Europe) grades matched by average particle size in microns.

CAMI grade and nearest FEPA P grade by average particle size (Klingspor values)

CAMI grade	CAMI avg (um)	Nearest FEPA grade	FEPA avg (um)
60	268	P60	260
80	192	P80	197
100	141	P100/P120	156/127
120	116	P120	127
150	93	P150	97
180	78	P180	78
220	66	P220	65
240	53.5	P280	52.5
320	36	P400	35.0
360	28.8	P500	30.2
400	23.6	P600/P800	25.75/21.8
500	19.7	P1000	18.3
600	16.0	P1200	15.3
800	12.3	P1500	12.3
1000	9.5	P2000	9.5

Pairs are matched by closest micron value from the Klingspor table. They are approximate, especially above 220. Where two FEPA grades bracket a CAMI value, both are shown.

FEPA P-grade average particle size (microns), as listed by three sources

FEPA grade	Klingspor (um)	Fine Woodworking chart (um)	IMC Clains chart (um)
P60	260	269	260
P80	197	201	195
P100	156	162	156
P120	127	125	127
P150	97	100	97
P180	78	82	78
P220	65	68	65
P240	58.5	58.5	58
P280	52.5	52.2	53
P320	46.2	46.2	46
P360	40.5	40.5	40
P400	35.0	35	35
P500	30.2	30.2	30
P600	25.75	26	25.8
P800	21.8	21.8	22
P1000	18.3	18.3	18
P1200	15.3	15.3	15

FEPA grade	Klingspor (um)	Fine Woodworking chart (um)	IMC Clains chart (um)
P1500	12.3 (row shared with CAMI 800)	12.6	12.6
P2000	9.5 (row shared with CAMI 1000)	10.3	10.3
P2500	not listed	8.4	8.4 (variance chart)

Values agree from P240 to P1200. Coarser grades differ by a few microns between sources. Klingspor puts P1500 and P2000 in the same rows as CAMI 800 and 1000 with one micron value each; the other two sources list 12.6 and 10.3. IMC states its FEPA figures come from a LECO grit comparison sheet.

CAMI (ANSI) grade average particle size (microns), as listed by three sources

CAMI grade	Klingspor (um)	Fine Woodworking chart (um)	IMC Clains chart (um)
60	268	268	254
80	192	192	165
100	141	141	122
120	116	116	102
150	93	93	89
180	78	78	76
220	66	66	63
240	53.5	53.5	50
280	not listed	44	39
320	36	36	31
360	28.8	28.8	not listed
400	23.6	23.6	22
500	19.7	19.7	19
600	16.0	16	16
800	12.3	12.2	12
1000	9.5	9.2	not listed
1200	not listed	6.5	not listed

Klingspor and Fine Woodworking agree on almost every CAMI value. IMC's ANSI column, which it says comes from a Washington Mills ANSI grit chart, runs consistently finer.

Sources: Fine Woodworking (Taunton Press); IMC Clains (specialist retailer); Klingspor Abrasives, Inc.. Checked 22 October 2026. Always confirm against your tool and accessory manuals. Free to share under CC BY 4.0 with credit to AccessoryFit (accessoryfit.com/printables/).