

Comparison of UAMA FEPA F Mastergrits: Malvern vs Coulter Multisizer vs Helos Silicon Carbide Mastergrit

Mastersand 50% Value

Size	50% Range
230	53.8 +- 3.0
240	44.9 +- 2.0
280	36.7 +- 1.5
320	30.2 +- 1.5
360	23.1 +- 1.5
400	17.3 +- 1.0
500	12.9 +- 1.0
600	9.9 +- 1.0
800	7.2 +- 1.0
1000	4.7 +- 0.8
1200	3.1 +- 0.5

Wet Malvern Test Results 50%

Size	50%	LCL	UCL
230	68.926	65.926	71.926
240	58.072	56.072	60.072
280	48.238	46.738	49.738
320	39.523	38.023	41.023
360	30.783	29.283	32.283
400	22.178	21.178	23.178
500	17.305	16.305	18.305
600	13.415	12.415	14.415
800	10.667	9.667	11.667
1000	7.042	6.242	7.842
1200	5.132	4.632	5.632

Dry Malvern Test Results 50%

Size	50%	LCL	UCL
230	67.23	64.23	70.23
240	57	55	59
280	47.23	45.73	48.73
320	38	36.5	39.5
360	29.36	27.86	30.86
400	20.67	19.67	21.67
500	15.79	14.79	16.79
600	11.89	10.89	12.89
800	8.46	7.46	9.46
1000	4.88	4.08	5.68
1200	3.11	2.61	3.61

Coulter Test Results 50%

Size	50%	LCL	UCL
230	52.7	49.7	55.7
240	44.3	42.3	46.3
280	36.8	35.3	38.3
320	30.6	29.1	32.1
360	23.8	22.3	25.3
400	17.7	16.7	18.7
500	12.9	11.9	13.9
600	10	9	11
800	7	6	8
1000	4.8	4	5.6
1200	3.5	3	4

Helos Test Results 50%

Size	50%	LCL	UCL
230	62.26	59.26	65.26
240	52.06	50.06	54.06
280	43.91	42.41	45.41
320	35.76	34.26	37.26
360	27.72	26.22	29.22
400	20.1	19.1	21.1
500	15.45	14.45	16.45
600	11.65	10.65	12.65
800	8.48	7.48	9.48
1000	5.44	4.64	5.52
1200	3.6	3.1	4.1

