

White Mountain Process Surface Finish Guide for Mixers

Grit Number	USA Finish No.	BPE Designation	Common Name	Ra Micro-inch	E/P Range Ra Micro-inch	Ra Micron μm	Rmax. Micro-inch	Rmax. Micron μm	Approximate RMS Micro-inch	ISO Number	ASTM Standard Ra Micro-inch	Japanese Standard
None		SF0		2000		50	7875	200		N12		
		SF0		1000		25	3940	100		N11		
		SF0		500		12.5	1988	50		N10		
60	#1	SF0	Mill Plate	250	50 Max.	8.3	985	25		N9	1.40 Max.	
		SF0		125		3.2	492	12.5		N8		
80	#2	SF0	Satin Sheet	70 Max. 40 - 80					80			
		SF0		63		1.6		8.3		N7		
00 to 120	#3	SF0		52					58			
120	#4	SF0	Commercial #4	40 - 80 typ.								
150	#4	SF0	3A Sanitary Finish	42 Max. 30 - 35					42 - 47		45 Max.	
		SF0	ANSI #4	32		0.8	128	3.2		N6		
180	#4	SF3	Sanitary Finish	30 Max. 20 - 30	15 - 20	0.76			34		25 Max.	Buff # 100
200 to 220		SF2/SF6	Biotech Finish	25 Max. 20 - 25		0.64						
240	#6	SF1/SF5		20 Max.		0.51						
		SF4		15 - 20	10 - 15				17		8 - 20	
320	#7			18		0.4	63	1.6	17 Max.	N5	6 - 15	
				12 Max. 8 - 12					14			
				12		0.3	59	1.5	13 - 14			Buff # 200
400	#8		Mirror Finish	8		0.2	31	0.8	9	N4		Buff # 300
				4 - 8								
500	#8		Supermirror Finish	<4 3 - 8								
500	#8		Supermirror Finish	4		0.1	18	0.4	4 - 10	N3		Buff 400 (approx.)
				2		0.85	8	0.2		N2		
				1		0.025	4	0.1		N1		

Mix it Up!