

BROWN FUSED ALUMINA TECHNICAL DESCRIPTION

TYPE	BFA-S	Resin Bonded Abrasives		
	BFA-V	Vitrified Bonded Grinding Wheel		
	BFA-B	Sandblasting		
	BFA-P	For Coated abrasives application		
Chemical Composition				
	Guarantee Content (%)		Typical Content (%)	
Al2O3	95.00% min.		96.07%	
Fe2O3	0.20% max.		0.17%	
SiO2	1.20% max.		0.83%	
TiO2	1.80 – 3.00 %		2.38%	
CaO	0.60% max.		0.21%	
MgO	0.50% max.		0.26%	
ZrO2			0.08%	
Physical Properties				
Color	Brown			
Specific Gravity	3.95 g/cm3			
Hardness	9 Mohs			
Bulk Density	BFA-S	BFA-V	BFA-B	BFA-P
F10	1.80-2.00	1.84-2.07	2.05-2.15	1.80-2.00
F12	1.79-1.98	1.83-2.06	2.02-2.10	1.79-1.98
F14	1.78-1.97	1.81-20.4	2.00-2.07	1.78-1.97
F16	1.76-1.95	1.80-2.03	1.97-2.04	1.76-1.95
F20	1.75-1.93	1.78-1.96	1.96-2.02	1.75-1.93
F24	1.73-1.90	1.76-1.94	1.90-2.00	1.73-1.90
F30	1.72-1.88	1.74-1.93	1.88-1.98	1.72-1.88
F36	1.70-1.86	1.72-1.92	1.86-1.96	1.70-1.86
F40	1.68-1.85	1.70-1.90	1.83-1.93	1.68-1.85
F46	1.66-1.84	1.68-1.88	1.80-1.90	1.66-1.84
F54	1.65-1.85	1.66-1.86	1.77-1.88	1.65-1.85
F60	1.63-1.83	1.64-1.85	1.74-1.84	1.63-1.83
F70	1.61-1.81	1.62-1.83	1.70-1.82	1.61-1.81
F80	1.59-1.80	1.60-1.81	1.68-1.80	1.59-1.80
F90	1.58-1.75	1.58-1.75	1.65-1.78	1.58-1.75
F100	1.57-1.73	1.57-1.73	1.65-1.78	1.57-1.73
F120	1.55-1.71	1.55-1.71	1.64-1.77	1.55-1.71
F150	1.54-1.68	1.54-1.68	1.62-1.74	1.54-1.68
F180	1.52-1.66	1.52-1.66	1.62-1.72	1.52-1.66
F220	1.50-1.65	1.50-1.65	1.60-1.70	1.50-1.65