

## BROWN FUSED ALUMINA DATA SHEET

BFA-S	Resin Bonded Abrasives
BFA-V	Vitrified Bonded Grinding Wheel
BFA-B	Sandblasting
BFA-R	For Refractory application

Chemical Composition		
	Guarantee Content (%)	Typical Content (%)
Al <sub>2</sub> O <sub>3</sub>	95.00% min.	96.07%
Fe <sub>2</sub> O <sub>3</sub>	0.20% max.	0.17%
SiO <sub>2</sub>	1.20% max.	0.83%
TiO <sub>2</sub>	1.50 – 3.00 %	2.38%
CaO		0.21%
MgO		0.26%
ZrO <sub>2</sub>		0.08%

Physical Properties				
Color	Brown			
Specific Gravity	3.95 g/cm <sup>3</sup>			
Hardness	9 Mohs			
Bulk Density	BFA-S	BFA-V	BFA-B	BFA-R
F10	1.80-2.00	1.84-2.07	2.05-2.15	
F12	1.79-1.98	1.83-2.06	2.02-2.10	
F14	1.78-1.97	1.81-20.4	2.00-2.07	
F16	1.76-1.95	1.80-2.03	1.97-2.04	
F20	1.75-1.93	1.78-1.96	1.96-2.02	
F24	1.73-1.90	1.76-1.94	1.90-2.00	
F30	1.72-1.88	1.74-1.93	1.88-1.98	
F36	1.70-1.86	1.72-1.92	1.86-1.96	
F40	1.68-1.85	1.70-1.90	1.83-1.93	
F46	1.66-1.84	1.68-1.88	1.80-1.90	
F54	1.65-1.85	1.66-1.86	1.77-1.88	
F60	1.63-1.83	1.64-1.85	1.74-1.84	
F70	1.61-1.81	1.62-1.83	1.70-1.82	
F80	1.59-1.80	1.60-1.81	1.68-1.80	
F90	1.58-1.75	1.58-1.75	1.65-1.78	
F100	1.57-1.73	1.57-1.73	1.65-1.78	
F120	1.55-1.71	1.55-1.71	1.64-1.77	
F150	1.54-1.68	1.54-1.68	1.62-1.74	
F180	1.52-1.66	1.52-1.66	1.62-1.72	
F220	1.50-1.65	1.50-1.65	1.60-1.70	