

# TECHNICAL DATA SHEET

**PRODUCT:** BROWN ALUMINUM OXIDE

**SIZE:**F12-F220

Brown Aluminum oxide is made from Calcined Bauxite. It is a hard and tough material, used in grinding wheels manufacturing and coated products, also used for shot blasting and as polishing media.

**AVERAGE CHEMICAL COMPOSITION(TYPICAL)**

Al <sub>2</sub> O <sub>3</sub>	95.0-97.5%
TiO <sub>2</sub>	1.7-3.4%
Fe <sub>2</sub> O <sub>3</sub>	≤0.30%
SiO <sub>2</sub>	≤1.00%
CaO	≤0.42%

**PHYSICAL PROPERTIES(TYPICAL)**

Specific Gravity	≥3.90g/cm <sup>3</sup>
Mohs Hardness	9.0
Bulk Density	1.53-1.99g/cm <sup>3</sup>
Melting Point	2250°C
Refractoriness	1900°C

**PACKAGING:**25kgs PVC bags+1MT big bag

**PARTICLE SIZE DISTRIBUTION**

F12	+2800um	0	+2000um	≤20%	+1700um	≥45%	+1700+1400um	≥70%	-1180um	≤3%
F14	+2360um	0	+1700um	≤20%	+1400um	≥45%	+1400+1180um	≥70%	-1000um	≤3%
F16	+2000um	0	+1400um	≤20%	+1180um	≥45%	+1180+1000um	≥70%	-850um	≤3%
F20	+1700um	0	+1180um	≤20%	+1000um	≥45%	+1000+850um	≥70%	-710um	≤3%
F22	+1400um	0	+1000um	≤20%	+850um	≥45%	+850+710um	≥70%	-600um	≤3%
F24	+1180um	0	+850um	≤25%	+710um	≥45%	+710+600um	≥65%	-500um	≤3%
F30	+1000um	0	+710um	≤25%	+600um	≥45%	+600+500um	≥65%	-425um	≤3%
F36	+850um	0	+600um	≤25%	+500um	≥45%	+500+425um	≥65%	-355um	≤3%
F46	+600um	0	+425um	≤30%	+355um	≥40%	355+300um	≥65%	-250um	≤3%
F54	+500um	0	+355um	≤30%	+300um	≥40%	+300+250um	≥65%	-212um	≤3%
F60	+425um	0	+300um	≤30%	+250um	≥40%	250+212um	≥65%	-180um	≤3%
F70	+355um	0	+250um	≤25%	+212um	≥40%	+212+180um	≥65%	-150um	≤3%
F80	+300um	0	+212um	≤25%	+180um	≥40%	+180+150um	≥65%	-125um	≤3%
F90	+250um	0	+180um	≤20%	+150um	≥40%	+150+125um	≥65%	-106um	≤3%
F100	+212um	0	+150um	≤20%	+125um	≥40%	+125+106um	≥65%	-75um	≤3%
F120	+180um	0	+125um	≤20%	≥40%	≥40%	+106+90um	≥65%	-63um	≤3%
F150	+150um	0	+106um	≤15%	+75um	≥40%	+75+63um	≥65%	-45um	≤3%
F180	+125um	0	+90um	≤15%	+75um	*	+75+63um	≥40%	-53um	*
F220	+106um	0	+75um	≤15%	+63um	*	+63+53um	≥40%	-45um	*

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