

Aluminium Oxide



Description

Fused Aluminium Oxide is an artificial corundum, produced to form a very hard angular abrasive. Aluminium Oxide is used for cleaning, descaling, etching, deburring, finishing, coating removal and surface preparation.

Aluminium Oxide produces an etched finish; finer grits produce a dull matt finish, while larger grits produce a deep rough etch. Aluminium Oxide is an aggressive blasting media with a very fast cutting speed. Available in brown and white.

Applications

Cleaning, descaling, coating and contamination removal, etching and surface preparation of ferrous and non ferrous metallic parts prior to rework, painting, coating, anodizing and powder coating.

Removal of thermal metal spray and carbon deposits from jet and gas engine components and turbochargers prior to rebuild, anodizing and thermal metal spray.

Decorative glass, stone, metal and wood etching and carving.

Size Details

Grit No.	12	16	24	36	46	60	80
Mean size in μm	1680	1190	710	500	355	250	180

Grit No.	100	120	150	180	220	240	320
Mean size in μm	125	105	75	63	53	45	30

Note. Standard product sizing is per FEPA 42-GB-1984. Other sizes and specifications available upon request.

Physical Properties

Hardness	Specific Gravity	Bulk Density	Shape	Colour
9.0 Mohs	> 3.9 g/cm ³	\approx 1800kg/m ³	Angular	Dark brown

Typical Chemical Composition - Brown

Al ₂ O ₃	TiO ₂	SiO ₂	Fe ₂ O ₃	CaO
95.52%	3.05%	0.72%	0.16%	0.022%

Typical Chemical Composition - White

Al ₂ O ₃	Na ₂ O	SiO ₂	Fe ₂ O ₃	CaO
99.33%	0.34%	0.036%	0.09%	0.05%



Blast & Peen Services Pte Ltd
10 Admiralty Street #02-69
Singapore 757695
Tel. 65 6853 7680
Fax. 65 6853 7681
Email. sales@bnp.com.sg
Web. www.bnp.com.sg