



# Aluminium Oxide



## Product Description and Technical Data:

Aluminium Oxide is one of the most economical processing medias for many dry and wet process applications where anything from a coarse profile to a micro finish is required. This sharp, angular abrasive is the second hardest and is especially suitable when no ferrous contamination can be tolerated on the process surface

Aluminium Oxide can be used for the roughest cutting -down operations or in well-conditioned, pebbled form for producing very low micro finishes on precision-dimensioned parts. Its high density and sharp, angular structure makes it one of the fastest cutting abrasives available.

Aluminium Oxide is manufactured by a process of electrically fusing and processing high-grade Bauxite to produce Brown Aluminium Oxide, and high-grade Alumina in the case of White and Pink Aluminium Oxide. Their crystalline nature contributes to their hard and fast cutting properties. It is also widely used in the manufacture of bonded and coated abrasives.

Aluminium Oxide can be recycled many times depending on the grade of material and the actual process and may be used in most types of standard abrasive blasting equipment.

## Abrasive Properties

Shape	Angular
Hardness (Moh scale)	9
Bulk Density (Kg/m <sup>3</sup> )	2400
Particle S.G.	3.9 – 3.94
Colour	Brown, Pink, White
Size Standard	Fepa

**Product Sizes**, additional sizes available on application.

Mesh Size	Microns	MM	Mesh Size	Microns	MM
16#	1190	1.190	80#	177	0.177
20#	1000	1.000	100#	125	0.125
24#	710	0.710	120#	105	0.105
30#	590	0.590	150#	88	0.088
36#	500	0.500	180#	74	0.074
46#	350	0.350	220#	62	0.062
60#	250	0.250	320#	30	0.30

## Packaging:

Packed in 25 kilograms polyprop bags with plastic liner, 40 x 25 kg bags per 1-ton bulk bag.

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