

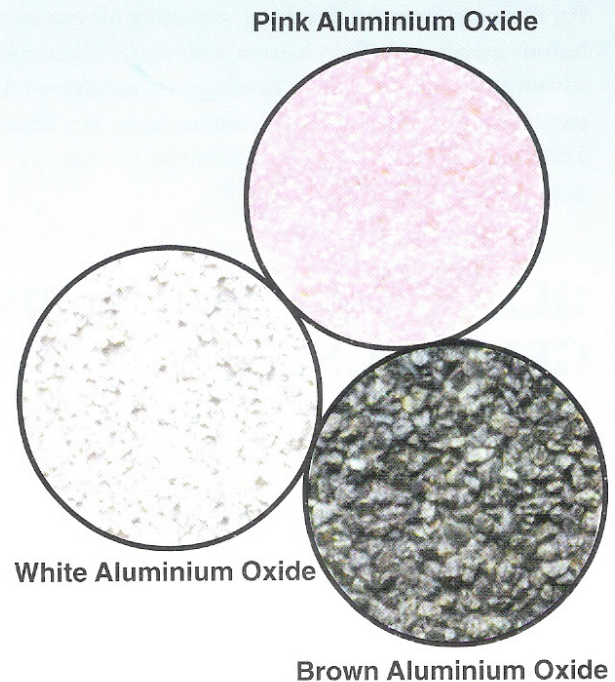
# ALUMINIUM OXIDE

## ALUMINIUM OXIDE

This sharp angular abrasive is the second hardest mineral after diamond. It is fast cutting and does not contain free silica. It give a matt finish, or produces anchor or 'tooth' patterns on most metal surfaces and can be used economically in a closed system environment.

## APPLICATIONS

The range of application is limitless - the removal of sand from casting; surface preparation prior to enamelling, plating or bonding; etching; descaling; deburring; cleaning moulds; glass carvings and decorative works in glass industry.



## TYPICAL:

PHYSICAL & CHEMICAL PROPERTIES	BROWN	WHITE	PINK
COLOUR	Dark Brown	White	Pink
PHYSICAL NATURE	Hard & very tough	Hard & frible	Hard & tough
PARTICLE SPECIFIC GRAVITY	3.94	3.90	3.92
MELTING POINT	2000°C	2050°C	2050°C
HARDNESS MOH'S SCALE	9.0	9.0	9.0

## SPECIFICATIONS

GRADE	MICRON SIZE
Mesh 8	2360
Mesh 10	2000
Mesh 12	1700
Mesh 14	1400
Mesh 16	1180
Mesh 20	850
Mesh 24	740
Mesh 30	600
Mesh 36	480
Mesh 40	425
Mesh 46	326
Mesh 60	250
Mesh 80	180
Mesh 90	166
Mesh 100	150
Mesh 120	125
Mesh 150	100
Mesh 180	83
Mesh 220	68

Other sizes are also available.

## TYPICAL CHEMICAL ANALYSIS

	BROWN	WHITE	PINK
AL <sub>2</sub> O <sub>3</sub>	95.40	99.30	99.0
SiO <sub>2</sub>	0.70	0.15	0.15
Fe <sub>2</sub> O <sub>3</sub>	0.30	0.10	0.10
TiO <sub>2</sub>	3.00	-	-
CaO	0.60	0.10	0.10
Na <sub>2</sub> O	-	0.35	0.35
Cr <sub>2</sub> O <sub>3</sub>	-	-	0.30
ZrO <sub>2</sub> + HFO <sub>2</sub>	-	-	-



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