

Aluminum Oxide Specification

ALUMINIUM OXIDE-Commercial

A) ALUMINIUM OXIDE GRIT (As per IS: 3178 - 1965)

Abrasive Material : Emery, Synthetic (Commercial Quality)
Aluminium Oxide content : 60 % Min Magnetic Material : 15 % Max.
Hardness on Moh's scale : 8 Min. Specific Gravity : 3.6 Min.

S. NO	IS GRIT NO.	PARTICLE SIZE RANGE, MM	EQUIVALENT BS SIEVE RANGE	RETENTION MIN. BY WEIGHT
1.	8	4.00 - 2.00	6 - 8	50 %
2.	12	2.00 - 1.40	10 - 12	50 %
3.	16	1.40 - 1.00	14 - 16	50 %
4.	20	1.00 - 0.710	18 - 22	50 %
5.	30	0.710 - 0.425	25 - 36	50 %
6.	40	0.500 - 0.300	36 - 52	50 %
7.	60	0.355 - 0.180	60 - 85	50 %
8.	80	0.250 - 0.150	72 - 100	50 %
9.	100	0.212 - 0.125	85 - 120	50 %
10.	120	0.180 - 0.106	100 - 150	50 %
11.	220	0.090 - 0.045	240 - 350	50 %

ALUMINIUM OXIDE -Virgin

B) ALUMINIUM OXIDE GRIT (As per FEPA Standard)

Abrasive Material : Corundum (Virgin Grade)
Aluminium Oxide content : 90 % Min.
Hardness On Moh's Scale : 09 Min.
Specific Gravity : 3.9 Min.

Other Impurities:

SiO₂CaO Fe₂O₃ TiO₂ Free Iron
1.00% Max. 1.00%Max. 0.50%Max. 2.2.-3.0% 0.40% Max.

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2.	12	2.00 - 1.40	10 - 12	50 %
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