



**NATIONAL  
ENTERPRISES**



## **ALUMINIUM OXIDE**

### ● **ALUMINIUM OXIDE - VIRGIN:**

- ◆ Abrasive Material - Corundum (Virgin Grade)
- ◆ Aluminium Oxide Content - 90% min.
- ◆ Hardness on MOH Scale - 09 min.
- ◆ Specific Gravity - 3.9 min.

### ● **ALUMINIUM OXIDE - COMMERCIAL:**

- ◆ Abrasive Material - Emery, Synthetic (Commercial Quality)
- ◆ Aluminium Oxide Content - 60% min. Magnetic Material 15% Max.
- ◆ Hardness on MOH Scale - 08 min.
- ◆ Specific Gravity - 3.6 min.

### ● **SALIENT FEATURES & APPLICATION:**

- ◆ Fastest Cutting Abrasive
- ◆ Recommended for Ferrous & Non Ferrous Components

● **SIZE CHART:**

| S. No. | IS Grit No. | Particle Size Range (mm) | Equivalent BS Sieve Range | Retention Min. By |
|--------|-------------|--------------------------|---------------------------|-------------------|
| 1.     | 16          | 1.40 - 1.00              | 14-16                     | 50%               |
| 2.     | 20          | 1.00 - 0.710             | 18-22                     | 50%               |
| 3.     | 24          | 0.710 - 0.425            | 25 - 36                   | 50%               |
| 4.     | 36          | 0.500 - 0.300            | 36 - 52                   | 50%               |
| 5.     | 60          | 0.355 - 0.180            | 60 - 85                   | 50%               |
| 6.     | 80          | 0.250 - 0.150            | 75 - 100                  | 50%               |
| 7.     | 100         | 0.212 - 0.125            | 85 - 120                  | 50%               |
| 8.     | 120         | 0.180 - 0.106            | 100 - 150                 | 50%               |
| 9.     | 220         | 0.090 - 0.045            | 240 - 350                 | 50%               |

● **OTHER IMPURITIES:**

|                                |            |
|--------------------------------|------------|
| SiO <sub>2</sub>               | 1.00% Max. |
| CaO                            | 1.00%Max.  |
| Fe <sub>2</sub> O <sub>3</sub> | 0.50%Max.  |
| TiO <sub>2</sub>               | 2.2.-3.0%  |
| Free Iron                      | 0.40% Max  |

With Kind Regards,  
S. Virmani +91 852792-3333 / +91 971896-3333  
Head Operations- Sales & Spares



**NATIONAL ENTERPRISES**

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E-mail - [info@nationalenterprises.org](mailto:info@nationalenterprises.org), [sales@nationalenterprises.org](mailto:sales@nationalenterprises.org) ;

**GSTIN NO. 06AAEFN3352Q1ZX**

**PUNE REGIONAL OFFICE** – Plot No. 81, Sector No. 10, PCNTDA, Bhosari Pune 411026 Maharashtra ; Mob +91 9718963333/ 9718383333 / 9873770333

Email - [pune@nationalenterprises.org](mailto:pune@nationalenterprises.org), **PUNE GSTIN NO. 27AAEFN3352Q1ZT**

website:[www.nationalenterprises.org](http://www.nationalenterprises.org) ; [www.shotblastingpainting.in](http://www.shotblastingpainting.in)