



Technical data sheet

Material designation: **White Corundum**

Colour: Brilliant, white

Crystallization structure: α -Al₂O₃-trigonal

Composition:	Al ₂ O ₃	Na ₂ O
	$\geq 99.73 \pm 0.3\%$	$\leq 0.14 \%$



Description:

White corundum belongs to the group of electro corundum. It is manufactured by melting alumina in the electric arc furnace. It is iron-free and of the highest purity. It has a high degree of hardness and is extremely tough. It can be used both in the dry blasting process (pressure blasting / injector blasting) and in the wet blasting process.

Suitable for:

- Cleaning of metallic surfaces (abrasive)
- Removal of paint
- Removing rust and descaling metallic surfaces
- Matting surfaces
- Preparation for application of protective layers
- Roughening metallic surfaces before coating
- Deburring
- Rays of stone
- For non-slip industrial floors



Mechanical properties:

Specific weight: $\geq 3.90-4,1 \text{ g/cm}^3$
Bulk weight: ca. $1.4-2.1 \text{ g/cm}^3$
Hardness according to MOHS: ≥ 9
VICKERS hardness: HV 1800-2200
Grain shape: angular
Melting point: $\geq 2050^\circ\text{C}$

EINECS No.: 2156916
CAS No. 1344-28-1
REACH No. 05-2114594074-45-0000
Customs tariff number: 28181091

Packaging: 25 kg bags
Big Bags 1'000 kg

Available grain sizes:

FEPA	Range of grain sizes ca. μm
F 010	1700-2360
F 012	1400-2000
F 014	1190-1700
F 020	850 -1180
F 022	710 -1000
F 024	600 - 850
F 030	500- 710
F 036	425 - 600
F 040	355 - 500
F 046	300 - 425
F 054	250 - 355
F 060	212 - 300
F 070	180 - 250
F 080	150 - 212
F 090	125 - 180
F 100	106 - 150
F 120	90 - 125
F 150	63 -106
F 180	63 - 90
F 220	53 - 75

The quality corresponds to the current standards **FEPA / JIS / ANSI sieve**.

Corundum is the fourth hardest mineral after diamonds (MOHS 10), moissanite (MOHS 9.5) and quingsonite (MOHS 9.5). Steels with a Rockwell hardness HR = 60.5 are MOHS 7.



Safety regulations:

Corundum and its secondary constituents are existing substances within the meaning of the Chemicals Act and are registered under the following number in the European inventory of existing substances (EINECS).

Corundum is not a hazardous substance in terms of the Hazardous Substances Ordinance. A MAK value has not been specified for corundum dust. The general dust limit for fine dust of $3 \text{ mg} / \text{m}^3$ (fine dust) and $10 \text{ mg} / \text{m}^3$ (inhalable dust) must be applied (MAK value as of 2013).

Corundum can be disposed of with household waste if the local official regulations are observed. It is not subject to the statutory obligation to provide evidence according to the Waste Act.

All information is based on information provided by our supplier.