



MARTOXID® DN-440

Aluminum Oxide

Einsatzbeispiele / Applications

Hart kalziniertes, zügig wirkendes Aluminiumoxid für die Politur und Nachpolitur von Stählen und zur Bearbeitung von Nichteisenmetallen; zum Vorschleiff von Lacken und Kunststoffen.

Hard calcined, fast-acting aluminium oxide used for fine polishing and repolishing of all kinds of steel and for processing nonferrous metals brilliance; pre-grinding of lacquers and plastics.

Durchschnittsanalyse / Typical analysis

Al ₂ O ₃	[%]	≈ 99.3
Na ₂ O total	[%]	≤ 0.5
CaO	[%]	≈ 0.05
Fe ₂ O ₃	[%]	≈ 0.03
SiO ₂	[%]	≈ 0.01
α-Al ₂ O ₃	[%]	≥ 95
Glühverlust / Loss on Ignition	[%]	≤ 0.2
Spezifische Oberfläche / Specific Surface Area (BET)	[m ² /g]	0.3 – 0.7
Primärkorn / Primary Crystal	[µm]	≈ 6
Schüttdichte / Bulk Density	[kg/m ³]	≈ 600
Korngrößenverteilung / Particle Size Distribution (Siebung / Screening)		
	> 150 µm [%]	< 1
	> 63 µm [%]	20 – 30
	63 – 45 µm [%]	≈ 20
	< 45 µm [%]	≈ 60
Cilas 1064	d ₅₀ [µm]	≈ 12,5–27,5

Shipping Information

Packaging and minimum order quantity information is available from sales or customer service.

Safety and Handling Information

For specific safety, toxicity and handling information, please refer to the material safety data sheet on this product.

Chemical Registration Numbers

Chem. Bezeichnung / Chem. name:	Aluminiumoxid
Formel / formula:	Al ₂ O ₃
CAS No.:	1344-28-1
EC/EINECS No.:	215-691-6
UN-Nr.:	---

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