



MARTOXID[®] TM-4220

Aluminum Oxide

Oberflächenbeschichtet / coated

Einsatzbeispiele / Applications

Wärmeleitendes feinstgemahlenes Aluminiumoxid als Füllstoff für Thermoplaste, insbesondere Polyamide. Einsatz für das Thermomanagement und zur Verbesserung der mechanischen, elektrischen, rheologischen Eigenschaften.

Thermally conductive super ground aluminium oxide as a filler in thermoplastics, especially polyamides. Used for thermal management, improvement of mechanical, electrical, and rheological properties.

Durchschnittsanalyse / Typical analysis

Al ₂ O ₃	[%]	> 99.0
Na ₂ O total	[%]	≈ 0.20
CaO	[%]	≈ 0.03
Fe ₂ O ₃	[%]	≈ 0.03
SiO ₂	[%]	≈ 0.08
Spezifische Oberfläche / Specific Surface Area (BET)	[m ² /g]	≈ 2.0
Stampfdichte / Tapped Density	[g/l]	≈ 1400
Korngröße / Particle Size (Cilas 1064)	d ₅₀ [μm]	≈ 2.5
	d ₁₀₀ [μm]	≈ 40

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_2O_3
CAS No.:	1344-28-1
EC/EINECS No.:	215-691-6
UN-Nr.:	---

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