



MARTINAL[®] OL-107 C / OL-104 C

Einsatzbeispiele / Applications

Oberflächenbehandelte, feinteilig gefällte MARTINAL-Typen bieten Vorteile bei der Einarbeitung in Kunstharze und verbessern die mechanischen Eigenschaften vernetzter Elastomere.

Surface treated, fine precipitated MARTINAL grades give special benefits when incorporated into resins and improve the mechanical properties of cross-linked elastomers.

Durchschnittsanalyse / Typical analysis

		OL-107 C	OL-104 C
Besonderheiten / Speciality	oberflächenmodifiziert / surface treated		
Al(OH) ₃ -Gehalt /-content	[%]	≈ 99.5	≈ 99.0
Feuchte / Moisture (105 °C)	[%]	≤ 0.3	≤ 0.25
Glühverlust / Loss on Ignition (1200 °C)	[%]	35 – 36.5	35 – 36
Teilchengröße (Laserbeugung, Cilas) / Particle Size (Laser scattering, Cilas)			
	d ₁₀ [µm]	0.4 – 0.8	0.3 – 0.9
	d ₅₀ [µm]	1.1 – 1.7	1.3 – 2.2
	d ₉₀ [µm]	1.5 – 3.5	2.3 – 4.2
Teilchenform / Particle shape	plättchenförmig / platelet, pseudo-hexagonal		
Verhalten in Wasser / Reaction in water	nicht benetzbar / no wetting of particles		
Brechungsindex / Refractive index	[%]	1.58	1.58
Weißgrad / Whiteness(Elrepho 457 nm)	[%]	≥ 95	≥ 94
Spezifische Oberfläche / Specific Surface Area (BET)	[m ² /g]	6 – 8	3 – 5
Ölaufnahme / Oil absorption	[cm ³ /100g]	30 – 40	25 – 35
Dichte / Density	[g/cm ³]	2.4	2.4
Schüttdichte / Bulk Density	[kg/m ³]	≈ 500	≈ 450

Shipping Information

Transportation classification: not regulated for transportation
Harmonized tariff number: 28183000

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: Aluminium hydroxide
Formel / formula: $\text{Al}(\text{OH})_3$
CAS No.: 21645-51-2
EC/EINECS No.: 244-492-7

EUROPE, MIDDLE EAST, AFRICA

Martinswerk GmbH
Kölnener Straße 110
D-50127 Bergheim

Phone: +49-2271-902-0
Fax: +49-2271-902-710

AMERICAS

Huber Engineered Materials
3100 Cumberland Boulevard
Suite 600
Atlanta, Georgia 30339

Phone: +1 (678) 247-7300
Fax: +1 (678) 247-2797

ASIA PACIFIC

Huber Engineered Materials
Zhang Ge Zhuang
Huangdao Sub-district
Qingdao, Shandong
266555 China

Web: www.martinswerk.de
www.hubermaterials.com

Email: info@martinswerk.com
hubermaterials@huber.com



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