Technical Data Sheet

Talcum substitute diamant®

For rubber care — technical quality

Version: 13.05.2026

Application Areas

Lubricating, separating and care products for plastic and rubber.

Application Examples

As a release agent in cables, between tire and hose, prevents the bonding of rubber gloves or rainwear, protects rubber from frost damage and prevents the freezing of car doors, lubricates drawers and sliding windows

Colour	Silky, light flour
Structure	crystalline
Decomposition temp.	>1000° C
pH-value	ca. 9
Density raw mateerial	2,8 g/cm³
Bulk density	600-800 g/l

Features

Temperature stable

Solid Lubricant

Silicone-free

Asbestos-free

slightly less lubricating than talcum powder

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Talkum diamant®

Talk/Chlorit	98,00 %

Chemical analysis

▪ Annealing loss:	9,00 %
▪ SiO_2:	48,00 %
▪ Al_2O_3:	10,50 %
▪ Fe_2O_3:	2,00 %
▪ MgO:	30,00 %
▪ CaO:	0,60 %

Grain size

▪ > 63µm	1,00 %	Aline-LS
▪ d_{50}	10,5 µm	Sedigraph 5100

Physikalical analysis

▪ Density	2,78 g/cm³	ISO787/10
▪ Pampering density	0,8 g/cm³	ISO 787/11
▪ Bulk density	0,6 g/cm³	EN 1097/3
▪ Hardness	1-2	Mohs
▪ pH-value	9,0	
▪ Oil numberg	31 ml/100 g	ISO 787/5
▪ Specific surface	5,5 m²/g	BET
▪ Specific surface	10500	Blaine

White Grade

Y	68,0	Minolta CR-300
CIE L*	86,0	Illuminant D65/2°
a*	-0,2	
b*	0,5	

The chloride content in the product moves at most in the trace area. Chloride has never been noticed as an integrated peak in the RFA. So we can say that the salary is max. < 0.1 %.

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Main components

Hauptbestandteile	EINECS	CAS	Menge (%)
Chlorit	215-285-9	1318-59-8	< 50
Talkum	238-877-9	14807-96-6	> 40
Magnesit	281-193-0	546-93-0	< 5
Dolomit	240-440-2	16389-88-1	< 3,5
Quarz	238-878-4	14808-60-7	< 2,5

As is customary for natural products, these data represent average values.

Durability: With dry storage indefinitely durable.

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