

DOLOMITE 5 TECHNICAL DATA SHEET (TDS)

DOLOMITE

Supplier: InduMinerals OÜ

Product Form: White Powder

CAS Number: 16389-88-1

EC Number: 240-440-2

Chemical Formula: $\text{CaMg}(\text{CO}_3)_2$

Product Code: InduMinerals DOL5

1. Product Description

High-purity, very white dolomite powder produced from naturally occurring calcium magnesium carbonate. Designed for use in applications requiring high whiteness, consistent particle size, and low impurity levels.

2. Chemical Analysis

Component	Typical Content (%)
SiO ₂	1.38%
Al ₂ O ₃	<0.01
Fe ₂ O ₃	0.04%
TiO ₂	<0.01%
CaO	30.98%
MgO	21.39%
Na ₂ O	<0.01%
K ₂ O	<0.01%
MnO	<0.01%
LOI	45.20%

4. Physical Properties

Property	Typical Value
Appearance	White powder
Mohs Hardness	3.5
Moisture	<0.5%
Specific Gravity	~1.38 g/cm ³
Refractive Index	1.60
pH (10% slurry)	<9.0
Oil Absorption (g/100g)	20
Whiteness (%)	95

5. Particle Size Distribution (Typical)

Grade	µm
Dx(10)	0.98
Dx(50)	5.15
Dx(90)	14.50
Dx(97)	20.50

6. Applications

- Functional fillers in plastics/polymers
- Coatings
- Decorative paints
- Primers
- Ceramics
- Plasters

7. Packaging & Storage

- Standard packaging: 25 kg bags or 1-ton jumbo bags
- Store in dry conditions
- Shelf life: Stable under recommended conditions

8. Safety & Handling

- Not classified as hazardous
- Avoid dust inhalation
- Use PPE
- Refer to SDS for detailed safety guidelines

Contact:

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Disclaimer

This technical data sheet is intended to provide indicative product information based on current knowledge and material specifications. As wollastonite is a naturally variable mineral, physical and chemical properties may differ slightly between batches. The values listed are not guaranteed and should not be interpreted as contractual specifications or performance guarantees. Clients are encouraged to conduct their own testing to confirm suitability for specific applications. For safety, handling, and regulatory compliance, please refer to the corresponding Safety Data Sheet (SDS).