



10 CALCINED DOLOMITE



PRODUCT DESCRIPTION

Calcined Dolomite is produced through the controlled calcination of high-purity dolomite, resulting in a product rich in calcium oxide (CaO) and magnesium oxide (MgO). It is widely used in steelmaking, refractory production, glass manufacturing, and environmental applications due to its high thermal stability and chemical purity.

CHEMICAL COMPOSITION (TYPICAL ANALYSIS)

COMPONENT	UNIT	TYPICAL VALUE (%)
CaO	%	61.8
MgO	%	34.72
SiO ₂	%	0.21
Al ₂ O ₃	%	0.04
Fe ₂ O ₃	%	0.19
Na ₂ O	%	0.07
K ₂ O	%	0.04
L.O.I (Loss on Ignition)	%	2.93
Sulphur (S)	%	≤ 0.10
Phosphorus (P)	%	≤ 0.02

i Values are typical and may vary slightly depending on origin and grade.

PHYSICAL PROPERTIES

PROPERTY	UNIT	TYPICAL VALUE
Appearance	-	White to light grey solid
Bulk Density	t/m ³	~0.85
True Density	t/m ³	~3.5
pH (aqueous suspension)	-	12 - 13
Melting Point	°C	~2800
Moisture Content	%	≤ 1.5
Fines (< 5 mm)	%	≤ 10

APPLICATIONS



STEEL INDUSTRY

Used as a flux and slag conditioner in BOF, EAF, and ladle refining.



REFRACTORY INDUSTRY

Raw material for basic refractory bricks and lining materials.



GLASS INDUSTRY

Source of CaO and MgO for improving glass durability and workability.



ENVIRONMENTAL APPLICATIONS

Neutralization of acidic wastewater and desulfurization of flue gases.



AGRICULTURE (OPTIONAL)

Soil conditioner and pH regulator (depending on particle size).



METALLURGICAL PROCESSES

Used in various metallurgical and industrial processes.

AVAILABLE FORMS & PARTICLE SIZES



LUMP
10 - 100 mm



GRANULAR
2 - 10 mm



POWDER
< 5 mm

i Other sizes and specifications available upon request.

PACKAGING

- Palletized Bags (in container)
- 1 m³ Jumbo Bags (in container)



STEEL INDUSTRY



REFRACTORY INDUSTRY



GLASS INDUSTRY



ENVIRONMENTAL APPLICATIONS



AGRICULTURE



METALLURGICAL PROCESSES