



DERELİ MADEN

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DOLOMITE - MARMARA ISLAND

Chemical Analysis

Content	%
CaO	33,43
MgO	19,66
Al ₂ O ₃	0,01
Fe ₂ O ₃	<0,01
SiO ₂	0,86
P ₂ O ₅	<0,01
K ₂ O	<0,01
Na ₂ O	<0,01
TiO ₂	<0,01
MnO	<0,01
Loss of Ignition	45,98

Physical & Mechanical Analysis

Hardness	Metric System	
	Mohs	4,5
Unit volume weight	Wet	2,818
	Dry	2,818
Specific weight	gr/cm ³	2,862
At atmospheric pressure	Water absorption (by volume)	0,947
	Water absorption (by weight)	0,336
In boiling water	Water absorption (by volume)	1,209
	Water absorption (by weight)	0,430
Apperent porosity	%	0,947
Porosity	%	1,54
Solidity ratio	%	98,45
Compressive strength	kg/cm ²	1590
Loss of compressive strength (after freezing)	%	2,77
Lost of weight (after freezing)	%	0,003
Flexural strength	kg/cm ²	80,05
Impact strength	kg.cm/cm ³	15,33
Abrasion strength	c ³ /50cm ²	24,57



Location & Port

Marmara Island

Marmara Island is located north-west of Turkey, in the middle of Sea of Marmara.



Saraylar Port

4,5 km away from quarry

Berth lenght: 122 m

Draught: max. 15 m, min. 11 m

Loading capacity: 5.000 ton/day

Can service up to 17.500 ton capacity ships