



Dolomitic Lime and Limestone products

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TYPICAL ANALYSIS SHEET

PRODUCT : **KEMIDOL DOLOMITIC QUICKLIME**
Nominal sizes: 0 – 10 & 5 – 50 mm

PRODUCTION FACILITY : Genoa, Ohio

PRODUCT DESCRIPTION :

A white porous solid obtained by the calcination of high-purity dolomitic limestone and composed essentially of calcium and magnesium oxides (CaO•MgO).

COMPOSITION AND TYPICAL CHEMICAL PROPERTIES : (ASTM C 25, C 1271, C 1301)

Total Calcium as Calcium Oxide (CaO), (%)	57.6
Total Calcium (Ca), (%)	41.2
Total Magnesium as Magnesium Oxide (MgO), (%)	40.8
Total Magnesium (Mg), (%)	24.6
Silica (SiO ₂), (%)	0.5
Ferric Oxide (Fe ₂ O ₃), (%)	0.2
Alumina (Al ₂ O ₃), (%)	0.1
Total Sulfur (S), (%)	0.05
Loss on Ignition, (%)	1.0
Carbonates, (CaCO ₃), (%)	2.8

TYPICAL PHYSICAL PROPERTIES :

	Fines	Pebble
Bulk Density (ASTM C 110), (kg/m ³)	865 – 1055	810 – 1010
(lbs/ft ³)	54 – 66	51 – 63
Slaking Rate (ASTM C 110, AWWA B202) :		
1. Temperature Rise in 30 seconds, (°C).	10	
2. Temperature Rise in 3 minutes, (°C).	34	
3. Total Temperature Rise, (°C).	36	
4. Total Active Slaking Time, (minutes)	4	

CLASSICAL REFERENCE DATA : (CRC Handbook of Chemistry and Physics)

Specific Gravity	3.25 – 3.38
Solubility in Water (10 °C), (g/l)	1.31
pH (saturated solution) (25 °C)	12.454

SIZE DISTRIBUTION :

		0 – 10 mm	5 – 50 mm
SIEVE (mm.)	SIEVE (U.S.A.)	% PASSING	
50	2"		100
25	1"		60
20	3/4"		30
14	1/2"		15
10	3/8"		6
5	No. 4	100	4
2	No. 10	97	
1.25	No. 16	80	
0.150	No. 100	27	

NOTICE :

* The test data herein is based on average results on production samples. Product shipments are subject to normal variation. Accordingly, test data can not be taken as establishing maximum or minimum specifications.