

DOLOMITE SANDS

SPECIALTY SANDS: SIEVE ANALYSIS

IMASCO DOLOMITE SANDS are produced at our Creston plant in eight sizes. These sands compliment our full range of white dolomite fillers and aggregates in a wide range of manufacturing and formulating applications including:

- Stucco
- Epoxy and Polymer mortars
- Cement mortars and grouts
- Polyester Filling
- Other industrial applications and requiring precisely graded sands
- Glass
- Poultry and bovine feed
- Cultured marble
- Decorative uses
- Carrier for fertilizer chemicals
- Golf course bunkers

TYPICAL GRADATIONS

Percent Material Passing

Sieve Size		Dolomite Sands					Specialty Sands					
US No.	Metric mm	#0	Spanish Trowel	#00	#20	#30	2.5 mm	2 mm	1.7 mm	1.5 mm	1.25 mm	1 mm
6	3.33	100.0	100.0				100.0		100.0			
8		89.6	99.5					100.0				
12	1.65	38.1	92.9	100.0	100.0		76.5	96.9	99.9	100.0	100.0	
16	1.17	1.13	86.1	97.5	94.7		38.6	51.7	21.2	84.9	99.6	100.0
20	0.83	0.24	78.4	88.2	75.3		4.2	4.1	2.7	6.2	70.6	96.5
30	0.60	0.04	70.5	78.3	52.3	100.0	1.3	1.0	2.3	1.0	22.8	67.6
40	0.43		61.3	67.4	26.3	99.6	0.8	0.63		0.56	0.8	32.3
50	0.30		51.7	56.2	12.7	91.0	0.6			0.28	0.1	9.3
100	0.15		31.5	32.5	5.3	54.5						
200	.075		14.6	14.4		23.0						

	Kg/m ³					
Apparent Loose Density (ASTM C110-92)	1430	1710	1650	1520	1220	Average for Specialty Sands Loose Density (ASTM C110-92) 1500
Apparent Packed Density (ASTM C110-92)	1480	1850	1860	1670	1730	Average for Specialty Sands Loose Density (ASTM C110-92) 1500

These products are available in 40 kg bags and semi-bulk bags.

Data is representative of recent testing and is typical of normal production.

PHYSICAL PROPERTIES

Loss On Ignition (ASTM E1172-87)	44%
Specific Gravity (ASTM C128-88)	2.85
Mohs Hardness	3.5 – 4.0
Particle Shape	crystalline rhombohedron

BENEFITS OF IMASCO DOLOMITE SANDS

Consistent sizing
High Whiteness
High Chemical Purity

TYPICAL CHEMICAL ANALYSIS*

CaCO ₃	55%
MgCO ₃	43%
Fe ₂ O ₃ Ferric Oxide	0.6%
Acid Insoluble	1.4%

* PLA 4-70



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