

LANE MOUNTAIN SILICA SAND

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PRODUCT

Lane Mountain Silica Sand is a high quality; close graded white silica sand available in six grades. Typical sieve analyses of these products are given in the following tables and gradation charts.

USES

Lane Mountain Silica Sand is suitable for a wide range of uses requiring high quality, close graded silica sands.

Such uses include:

- Sandblasting of concrete for architectural effects, repairs, or preparation for surface coating.
- Sandblasting of steel to remove mill scale, paint, grease and rust.
- Sandblasting of wood to expose grain.
- White aggregate for white plaster, mortar or concrete.
- Mold sand for the foundry industry.

PHYSICAL PROPERTIES

Colour	Off White/Cream White
Grain Shape	Angular
Bulk Density	88 - 98 lb/ft ³ (1410 - 1570 kg/m ³)
Hardness, Moh	7.6
Specific Gravity	2.2 - 2.5
Moisture Content	<0.1% weight

PACKAGING

Lane Mountain Silica Sand is available in 25 kg (55 lb), 36.3 kg (80 lb), and 45.3 kg (100 lb) paper bags, and in bulk bags of approximately 1360 kg (3000 lb) and 1680 kg (3700 lb). Deliveries by pneumatic tank trucks are also available.

TYPICAL CHEMICAL ANALYSIS and PROPERTIES

Property	Typical Value
Silica (SiO ₂), % wt	99.56
Aluminum Oxide (Al ₂ O ₃), % wt.	0.24
Iron Oxide (Fe ₂ O ₃), % wt	0.042
Calcium Oxide (CaO), % wt.	0.0051
Magnesium Oxide (MgO), % wt.	0.0079
Titanium Dioxide (TiO ₂), % wt.	0.016
Loss on Ignition at 1180iC, % wt.	0.13

Product performance is affected by many factors, including storage, method and conditions of application and use. User testing is ESSENTIAL to determine suitability of product for intended method of application and use. Target's SOLE WARRANTY is that the product has been manufactured to specifications. No oral or written information or advice shall increase this warranty or create new warranties. Target's SOLE LIABILITY is to replace product proved defective. In no event shall Target be liable for any consequential, indirect or other damages whether arising from negligence or otherwise.

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TYPICAL GRADATIONS OF TARGET SILICA SANDS

Sieve Size		Cumulative Percent Passing					
U.S.	Metric	LM #16	LM #20-30	LM #30	LM #50	LM #70	LM #125
No.12	1.70 mm	98-100					
No.16	1.18 mm	80-95	100				
No. 20	850 µm	20-35	95-100	100			
No.30	600 µm	0-8	60-80	80-95	100		
No.40	425 µm	0-4	10-20	50-80	90-100	100	100
No.50	300 µm		0-5	30-50	40-70	95-100	98-100
No. 70	212 µm			20-35	25-40	50-80	95-100
No.100	150 µm			5-15	10-20	20-40	85-95
No. 140	103 µm			0-10	4-12	8-18	50-80
No.200	75 µm			0-5	0-5	0-10	20-40

Sieve Size		Individual Percent Retained					
U.S.	Metric	LM #16	LM #20-30	LM #30	LM #50	LM #70	LM #125
No.12	1.70 mm	0-1					
No.16	1.18 mm	5-15	0				
No. 20	850 µm	50-70	0-5	0			
No.30	600 µm	20-30	20-35	0-20	0		
No.40	425 µm	0-4	45-65	20-30	0-10	0	0
No.50	300 µm		10-20	20-30	30-45	0-5	0-2
No. 70	212 µm			10-20	20-30	20-45	0-5
No.100	150 µm			5-15	10-20	20-45	0-10
No. 140	103 µm			5-15	5-15	10-25	15-25
No.200	75 µm				3-10	5-15	30-50
Balance		0-4	0-3	0-5	0-5	0-10	20-40

The values shown are typical of current production. Minor variations can occur.

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