

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 are provided 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:

- Additive for decorative epoxy and flooring surfaces.
- White aggregate for plaster, mortar or concrete.
- Ingredient for commercial and industrial uses where chemical purity is important.
- Play sand and traction.
- 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 in 22.7 kg (50 lb) bags packaged 56 bags/pallet, and in bulk bags of approximately 1,360 kg (3000 lb) packaged one per pallet. 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 1180°C, % wt.	0.13

NOTICE: Obtain the applicable **LIMITED WARRANTY** at www.targetproducts.com/product-warranty
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TYPICAL GRADATIONS OF LM 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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