

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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