

TARGET SILICA ENGINE SAND

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PRODUCT

TARGET[®] Silica Engine Sand is a high-silica material processed in our Morinville, AB plant to provide materials that meet the requirements of the railroad industry. The product is clean, washed silica sand that is free from clay, loam, mica and other foreign material for use in car and locomotive sanding equipment. The sand is free flowing, uniform in nature and consists of hard grains of quartz and siliceous material.

USES AND ADVANTAGES

TARGET Silica Engine Sand is suitable for numerous applications. Typical uses include:

- Traction for train engines in wet or slippery conditions
- Sidewalk sand
- Soil conditioner
- Bedding sand (under sidewalk blocks)
- Playsand
- Traction sand

PACKAGING

TARGET Silica Engine Sand is typically supplied in 25 kg (55 lb) multi-wall paper bags, 1.75 tonne (3,850 lb) bulk bag or as bulk deliveries in pneumatic trailers or rail cars. Product should always be stored in a dry place.

QUALITY CONTROL

Rigorous quality control testing during production assures that the final product meets the requirements of the Canadian and US railways.

PHYSICAL PROPERTIES

Colour	Tan
Grain Shape	Sub-rounded
Bulk Density	92 – 95 lb/ft ³ (1,474 – 1,522 kg/m ³)
Hardness, Moh	6.5 – 7.0
Specific Gravity	2.65
Moisture Content	<0.1% weight
Acid Solubility	<5% weight

MOISTURE

TARGET Silica Engine Sand is sterilized during drying and contains less than 0.05% moisture.

NOTICE: Obtain the applicable **LIMITED WARRANTY** at www.targetproducts.com/product-warranty
Or send a written request to Target Products Ltd., Five Concourse Parkway, Atlanta, GA 30328, USA.
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TYPICAL CHEMICAL ANALYSIS OF SILICA ENGINE SAND

Chemical Oxide	% weight	Typical Value
Silica	SiO ₂	93.2 - 93.6
Alumina	Al ₂ O ₃	3.6 - 4.6
Iron	Fe ₂ O ₃	0.30 - 0.35
Calcium	CaO	0.25 - 0.65
Magnesium	MgO	0.08 - 0.15
Sodium	Na ₂ O	0.75 - 0.85
Titanium	TiO ₂	0.1 maximum
Loss on Ignition		0.3 maximum

Acid Solubility

Spec
5%

Target Results
<4%

SPECIFICATIONS

TARGET Silica Engine Sand meets or exceeds the following grading requirements indicated by the American Association of Railroads (AAR) and major Canadian railway companies.

- Sand is non-caking.
- Sand is magnetic particle free.

	<u>Min</u>	<u>Max</u>
Percentage passing U.S. Standard Sieve No. 10	100	-
Percentage passing U.S. Standard Sieve No. 30	40	-
Percentage passing U.S. Standard Sieve No. 50	5	15
Percentage passing U.S. Standard Sieve No. 80	-	2

PACKAGING

TARGET Engine Sand is available in 25 kg (55 lb) multi-wall paper bags packaged 56 bags per pallet.

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