

SILICA ABRASIVE

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PRODUCT

TARGET® Silica Abrasives are high quality, close graded silica sands which are produced at our Morinville, Alberta, plant in ten size grades. Typical gradations are presented in the following tables.

USES

TARGET Silica Abrasives are suitable for all applications requiring a high quality, clean, well graded sand. Typical uses include:

- Sandblasting of steel, concrete or wood in preparation for surface coating or repair
- Sandblasting of concrete or wood to obtain architectural effects
- Aggregate for cementitious or polymer mortars, grouts and concretes
- Foundry mold sand
- Traction sand



PHYSICAL PROPERTIES

Colour	Tan
Grain Shape	Sub-rounded
Bulk Density	92 - 95 lb/ft ³ (1474 - 1522 kg/m ³)
Hardness, Moh	6.5 - 7
Specific Gravity	2.65
Moisture Content	<0.1 % weight

PACKAGING

TARGET Silica Abrasives are available in 22.7 kg (50 lb) multi-wall paper bags, packaged 56 per pallet and 1680 kg (3700 lb) bulk bags, packaged 1 per pallet or as bulk deliveries in dump trucks or pneumatic tankers.



NOTICE: Obtain the applicable **LIMITED WARRANTY** at www.targetproducts.com/abrasive-product-warranty Or send a written request to Target Products Ltd., 8535 Eastlake Dr, Burnaby BC V4A 4T7, CANADA.

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TYPICAL SIEVE ANALYSES

SIEVE SIZE		CUMULATIVE PERCENT PASSING							
U.S.	mm	16-30	12-40	20-40	12-50	12-50 Special	30-50	40-70	50-100
4	4.75								
8	2.36								
10	2.00	100	100		100	100			
16	1.18	95+	90-95	100	88-98	90-98			
20	0.85	15-35	65-80	90+	65-85	80-90	100	100	
30	0.60	0-7	20-45	35-55	25-45	45-65	80+	98+	100
40	0.425	0-2	10-25	10-20	10-25	20-30	30-45	60-80	96+
50	0.300		0-2	0-3	1-5	2-10	0-10	15-30	15-35
70	0.212					0-2	0-2	1-3	1-8
80	0.180							0-1	0-2
100	0.150								0-1
140	0.106								

SIEVE SIZE		INDIVIDUAL PERCENT RETAINED							
U.S.	mm	16-30	12-40	20-40	12-50	12-50 Special	30-50	40-70	50-100
4	4.75								
8	2.36								
10	2.00								
16	1.18	0-5	5-10		2-12	2-10			
20	0.85	40-65	10-25	0-10	5-25	5-15			
30	0.60	20-40	35-50	50-65	25-45	15-40	5-25	0-2	
40	0.425	5-15	20-30	20-40	15-35	20-40	40-60	20-40	0-4
50	0.300		5-15	5-15	10-20	15-30	20-35	45-65	50-90
70	0.212					2.8	0-10	15-25	10-30
80	0.180								1-5
100	0.150								0-2
140	0.106								
Pan		0-1	0-2	0-2	0-3	0-2	0-2	1-3	0-1

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TYPICAL CHEMICAL ANALYSIS

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

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