

TARGET

BROWN ALUMINUM OXIDE

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PRODUCT

TARGET® Brown Aluminum Oxide grits are the most efficient blasting media. It is the fastest cutting product used for industrial blasting and surface preparation, due to its extreme hardness of 9 on a Moh's scale. Brown Aluminum Oxide is a man made material, electrofused from bauxite and is exclusively produced for Target Products Ltd.

USE

Brown Aluminum Oxide is suitable for all enclosed blasting operations (cabinet and/or blast rooms) where high cutting action of this aggressive media can be put to work. Metal surface preparation for coatings and metal cleaning are the most popular uses.

Wide range of surface patterns can be achieved with the 17 grades of Brown Aluminum Oxide (12 through 240 mesh) available.

PHYSICAL PROPERTIES

Colour	Tan to Dark Brown
Grain Shape	Angular
Bulk Density	100- 140 lbs/ft ³
Hardness Moh	9
Specific Gravity	3.96
Moisture Content	<0.1% weight

CAUTION

Although Brown Aluminum Oxide can be used for blasting of concrete or wood surfaces, a test section should be done before proceeding with a project to ensure that the particles of abrasive do not become embedded in the work. TARGET silica sand or industrial sand abrasives are usually more suitable for such applications.

PACKAGING

Brown Aluminum Oxide is available in 25kg (55 lb) paper bags.

SAFETY

TARGET Brown Aluminum Oxide abrasive does not contain any hazardous ingredients. Because of the hazardous nature of abrasive blast cleaning operations and the toxicity of the dusts that can be created when removing certain coatings, all appropriate safety precautions must be followed when using Brown Aluminum Oxide or any other abrasive. Consult your local Industrial Health & Safety Regulations, NIOSH or other requirements for guidance on the required safety procedures and equipment.

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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 SCREEN ANALYSIS

Grit No.	Sieve through which 100% must pass	Control sieve		Maximum of oversize on control sieve	Minimum through control sieve and retained		Cumulative minimum through control sieve and retained		Maximum of 5% through sieve No.
		No.	Opening inches	Percent	Percent	On Sieve No.	Percent	On Sieve No.	
16	8	14	0.0555	25	35	16	70	16 and 18	25
20	10	16	0.0469	25	35	18	70	18 and 20	30
24	14	18	.0394	25	35	20	60	20 and 25	40
30	16	20	.0331	30	45	30	60	30 and 35	45
36	18	25	.0278	15	50	35	80	35 and 40	50
46	25	40	.0165	30	30	45	55	45 and 50	70
54	30	45	.0189	35	25	50	60	50 and 60	80
60	35	50	.0117	35	35	60	60	60 and 70	100
70	40	60	.0098	25	35	70	65	70 and 80	120
80	45	70	.0083	35	30	80	60	80 and 100	140
90	50	80	.0070	25	35	100	60	100 and 120	170
100	60	100	.0059	25	30	120	55	120 and 140	230
120	70	120	.0049	25	20	140	50	140 and 170	270
150	80	140	.0041	25	30	170 and 200	60	170, 200 and 230	325
180	80	170	.0035	20	30	200 and 230	60	200, 230 and 270	---
220	100	200	.0029	15	30	230 and 270	50	230, 270 and 325	---
240	120	200	.0029	10	5	230 and 270	30	230, 270 and 325	---

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	96% Minimum
TiO ₂	2.6%
SiO ₂	0.5%
MgO	0.3%
Fe ₂ O ₃	0.2%
CaO	0.15%
K ₂ O	0.06%

WASTE DISPOSAL

Before use, TARGET Brown Aluminum Oxide is not classified as a special waste. During use, however, the product can become contaminated with paints or other materials that would require classification of the waste material as a special waste. It is the responsibility of the user to undertake any necessary evaluation, classification and disposal of the material after use. Consult local authorities for information on the disposal requirements and procedures applicable to spent abrasive in your area.

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