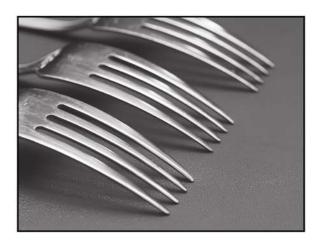
ABRASIVE GRAIN

Buffing & Polishing / Tumbling



Calcined Alumina





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Calcined Alumina Abrasive Grain

Calcined Alumina is used extensively for a wide variety of cleaning, polishing and deburring applications because of its unique crystal structure. It is the most widely used abrasive, generally used for ferrous alloys, non-ferrous and thermoset plastics. Its particles are made up of many smaller crystals that extend the abrasive and polishing action. The R.J. Marshall Company offers a range of grades based on abrasive properties and particle sizes with quality control that assures consistency of abrasiveness for each shipment.

- **B-75** High quality color grain intended for high luster on stainless steel, non-ferrous and plastic products.
- **B-200** A more aggressive grain, but with a very fine particle size. Useful when an intermediate cut is needed.
- **B-400** A medium abrasive product for more aggressive applications.
- **B-500** Widely used for properties that are unique. Excellent for flatware, cookware and small appliances.
- **B-800** High cut but still maintains color properties.

| Technical Information | Mild Abrasive B-75 | Cut & Color B-200 | Cut & Color B-400 | Cut B-500 | High Cut B-800 | Cut & Color GB-50 | Cut GB-600 |
|---|---|------------------------------------|--|--|--------------------------------------|---|--------------------------------------|
| Typical Physical Properties | 2 . 0 | | | | | 02 00 | |
| +100 mesh +200 mesh +325 mesh pH Abrasive Value Bulk Density (lbs/ft³) Oil Absorption Value (ml/100g) Surface Area m²/g Primary Crystal Size (um) | 0.1% max 1% max 10% max 9.3 200 45 55 8-12 | trace 1% max 5% max 9.3 275 55 0.9 | 1% 60% 90% 9.3 475 65 53 | 1% 56% 91% 9.3 630 60 53 | 1% 68% 90% 9.2 850 60 | 0.05% 0.5% 5% 9.2 225 44 55 | 1% 40% 65% 9.3 725 65 |
| Typical Chemical Properties | · | | | | | | |
| Al ₂ O ₃ SiO ₂ Fe ₂ O ₃ Na ₂ O | 99.60% 0.02% 0.02% 0.30% | 99.50% 0.01% 0.012% 0.37% | 99.50% 0.018% 0.02% 0.3% | 99.50% 0.018% 0.02% 0.3% | 99.50% 0.018% 0.02% 0.3% | 97.7% 0.04% 0.01% 0.42% | 98.30% 0.024% 0.027% 0.45% |

Green Line - Includes recycled materials. (Cost Effective)

We have extended our line of Calcined Alumina abrasive grain to include several products that are both cost effective and made with pre-consumer (post-industrial) recycled materials. The abrasive grain Green Line might also be a benefit to your current LEEDS or other environmental programs. These lower cost materials will give abrasive properties that are equivalent to standard products.

Product color is not guaranteed with green line products.

GB-50 Gives color but mostly intended for a mild cut.

GB-600 Gives color but mostly intended for a good cut prior to a second operation with B-75 or equivalent.

The R.J. Marshall Company is dedicated to maintaining the highest environmental standards by unwavering compliance with state and federal regulations, waste prevention measures and consistent monitoring of our manufacturing processes. These materials are available from our Rockwood, MI facility and other distribution locations as needed. Samples are available at no charge and truckload pricing for trial quantities.