ELFUSA
GERAL DE ELETROFUSÃO LTDA

Rua Júlio Michelazzo, 501 - Vila Nossa Senhora de Fátima
São João da Boa Vista - SP - Brasil 13.872-900
Telephone: +55 (19) 3634-2300 ▪ www.elfusa.com.br

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# SFARHT - R (Macro) >> BONDED

## Brown Fused Aluminum Oxide

SFARHT is a semi-friable brown fused aluminum oxide obtained from the fusion of high purity bauxites in electric arc furnaces. The grits are heated at high temperatures keeping their normal brown color, and toughness is increased. It's recommended for high performance bonded abrasives. Produced according to ANSI or FEPA-F.

### General Characteristics

| True Specific Gravity | Friability (ANSI-B74.8R2007) |
|---|---|
| 3.94 g/cm³ | 51% |

### Chemical Analysis by XRF (%)

| $Al_2O_3$ | $TiO_2$ | $SiO_2$ | $Fe_2O_3$ |
|---|---|---|---|
| 97.72 | 1.18 | 0.52 | 0.15 |

### Bulk Density (g/cm³)

| Grit Size | (R) cubic |
|---|---|
| 10 | 1.93 |
| 12 | 1.93 |
| 14 | 1.92 |
| 16 | 1.92 |
| 20 | 1.92 |
| 22 | 1.92 |
| 24 | 1.89 |
| 30 | 1.88 |
| 36 | 1.87 |
| 40 | 1.83 |
| 46 | 1.82 |
| 54 | 1.82 |
| 60 | 1.83 |
| 70 | 1.76 |
| 80 | 1.75 |
| 90 | 1.72 |
| 100 | 1.69 |
| 120 | 1.67 |
| 150 | 1.59 |
| 180 | 1.59 |
| 220 | 1.58 |

FEPA 44 - 1:2006

The values informed above are typical, for further information contact Applications Engineer Department.
Telephone +55 (19) 3634-2366 - e-mail: qualidade@elfusa.com.br