

## 2430-137 PRODUCT DATA SHEET

2430-137 is an Alumina powder developed and introduced by Bay State Surface Technologies. 2430-137 is known throughout the industry for its unique particle shape, aspect ratio and size distribution. Each powder particle is a discrete crystal of alumina having a purity of over 99%. The crystals have a smooth surface and a distinctive platelet shape with an aspect ratio of 5:1. Each particle has an exceptional resistance to fracturing which gives it an unparalleled advantage over typical fused aluminum oxides.

2430-137 is manufactured in a time proven high tech process that offers performance, dependability and consistency. This hydraulic process offers one of the most repeatable lot to lot consistencies in the industry for over 40 years.

### Typical Chemical Analysis

Al <sub>2</sub> O <sub>3</sub>	99.20%
SiO <sub>2</sub>	0.03%
Na <sub>2</sub> O	0.4%
CaO	0.05%
Fe <sub>2</sub> O <sub>3</sub>	0.02%

### Physical Properties

Major Phase	Alpha
Specific Gravity	3.95
Hardness (Knoop)	1,800 - 2,200
Hardness (Mohs)	9
Melting point C	2020
PH	7.5 - 11
L.O.I.	<.35
Particle shape	Disc-like
Color	White
Particle Size Distribution	94% min 0.25µm 50% 2.97 – 3.85µm 3% max 9.52µm