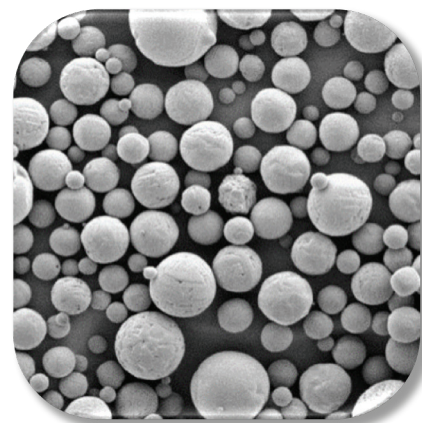


# Thermal Spray Powders Technical Datasheet



## Saint-Gobain High Purity Spherical Alumina

### POWDER CHARACTERISTICS

Product	Nominal Size	Color	Morphology
#194	5-20 micron	White	Spherical
#195	12-38 micron	White	Spherical
#196	15-55 micron	White	Spherical

### TYPICAL CHEMISTRY

Product	Al <sub>2</sub> O <sub>3</sub>	NaO <sub>2</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	Other
#194, #195, #196	99.9%	0.01%	0.02%	0.02%	0.05%

### PROPERTIES AND APPLICATIONS

Saint-Gobain High Purity Spherical Alumina is produced in a variety of particle size distributions. The spherical shape provides improved flow characteristics for a more stable and predictable coating process. They produce dense coatings with good resistance to abrasion, erosion, sliding wear, and oxidation.

The high purity and finer sizes are well suited for dielectric applications like ESC's (electrostatic chucks) or corona treater rollers. The low levels of impurities also maximize the coating performance in many demanding applications.

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