

Thermal Spray Powders Technical Datasheet



Saint-Gobain Alumina Zirconia

POWDER CHARACTERISTICS

Product	Nominal Size	Color	Morphology
#290	45-125 micron	Gray	Irregular
#1610	45-125 micron	Gray	Irregular

TYPICAL CHEMISTRY (wt%)

Product	Al ₂ O ₃	ZrO ₂ + HfO ₂	TiO ₂	Y ₂ O ₃	SiO ₂	Fe ₂ O ₃	Na ₂ O
#290	76.6%	22.5%	0.15%	0.01%	0.25%	0.25%	0.10%
#1610	56.0%	41.6%	1.80%	0.25%	0.25%	0.05%	<0.01%

PROPERTIES AND APPLICATIONS

Saint-Gobain Alumina Zirconia produces a coating that is dense and hard. It resists wear due to abrasion, fretting, cavitation, and particle erosion. Applications include pump parts, seals, bushings, or other parts exposed to abrasive and corrosive environments. Saint-Gobain #290 is also commonly used in zinc molten metal baths as part of the galvanizing process for steel.

Please inquire about other size distributions.

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