

Introduction

Al₂O₃-3TiO₂ powder is a gray aluminum oxide thermal spray powder that is good for abrasion, erosion and sliding wear applications. This powder is tougher than pure alumina. The operating temperature can be up to 1100 °C (2040°F) and the coatings of these materials are good in alkali and acid environments.

Equivalent: Metco 101/6203, FST C-328, Praxair ALO-105/159, Amperit 742

Chemical & Physical Properties

Al ₂ O ₃	TiO ₂	SiO ₂	Fe ₂ O ₃	MgO	CaO	Color	Working Temperature	Melting point
Bal.	2.5%-3.5%	≤ 0.5%	≤ 0.1%	≤ 0.2%	≤ 0.1%	Gray	≤1100°C	2040°C

Applications

- Textile production tool
- Synthetic fiber manufacturing
- Butterfly valves
- Dielectric applications

Standard Sizes & Packaging

Bottle	5kg/bottle 4 bottles/box
Granularity	-15/ +45μm