

AI-1011

Description and Applications

AI-1011 is a premium thermal spray Aluminium Oxide ceramic powder with the addition of Titanium Dioxide developed primarily for plasma spraying.

AI-1011 produces a dense deposit, which is high in hardness and wear resistance, is able to operate in high temperatures (around 800 Deg C) and can be ground to a fine finish.

Applications include: Sliding or rotating wear surfaces such as pump shafts and sleeves, mechanical seal faces, pump plungers, sealing rings etc. Resists cavitation and fine particle erosion and is resistant to molten zinc, aluminium, copper and other molten metals.

Typical Analysis

Silicon Dioxide	2.00%
Iron Oxide	1.00%
Titanium Dioxide	3.00%
Aluminium Oxide	91.00 Min
Other	1.00 Max
Macro-hardness	60 HRC (Approximate)

Disclaimer

All figures in this datasheet should be considered indicative only. No guarantee is made as to their accuracy.

All figures subject to change without notice. Batch analysis is available for all products sold. Should you require any further information, please contact us at sales@alloysint.com.au



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