



PARAT TECHNOLOGIES

Thermal Spray Equipment | Surface Engineering Solutions
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Website: www.parattech.com

Technical Data Sheet

(PT-AT/05)

Date: - 28/09/2014

Customer's Name-

Description: - Aluminium Titanium Ceramic Rod

Rod Sizes: - 1/4"Diameter x 24" (6.35mm x 610mm), Diameter:6.35±0.03mm,

Length: 610-620mm

Properties: -

Good Resistance to Mechanical Friction

Good Abrasion Resistance

Chemical Composition: -

| | |
|--------------------------------|-------|
| Al ₂ O ₃ | 49.01 |
| TiO ₂ | 49.11 |
| SiO ₂ | 0.82 |
| CaO | 1.01 |
| Fe ₂ O ₃ | 0.03 |
| MgO | 0.02 |

Physical Properties: -

| | |
|----------|--------------|
| Color | Grey |
| Weight | 41g/pcs |
| Hardness | HV 1000~1200 |

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Wire Arc Spray | Flame Spray | HVOF | Plasma Spray | Thermal Spray Wires | Thermal Spray Powders |



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Coating Features: -

| | |
|--------------------|---------|
| Deposit Efficiency | 60-61% |
| Bulk Density | 4.8g/cc |
| Melting Point | 2800° C |
| Porosity | <8.7% |
| Hardness | HV 1100 |

Packing: -

Rods packed in tubes: 50 rods

12 Tubes packed in each wooden box

Thanks

Parat Technologies

We are committed to your satisfaction

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