



# PARAT TECHNOLOGIES

Thermal Spray Equipment | Surface Engineering Solutions  
Email: [info@parattech.com](mailto:info@parattech.com), [parattechnologies@gmail.com](mailto:parattechnologies@gmail.com)  
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## Technical Data Sheet

(PT-AO/01, PT-AO/02)

Date: - 28/09/2014

**Customer's Name**- .....

**Description**: - Aluminium Oxide Ceramic Rod

**Rod Sizes**: - 3/16" Diameter x 24" (4.75mm x 610mm), Diameter: 4.763±0.03mm, Length: 610~620mm, 1/4"Diameter x 24" (6.35mm x 610mm), Diameter: 6.35±0.03mm, Length: 610~620mm

**Properties**: -

Good Electrical Insulator

Very Good Abrasion Resistance

Good Thermal Shock Resistance

**Chemical Composition**: -

Al2O3	98.42
SiO2	0.80
TiO2	0.01
CaO	0.12
NaO2	0.31
Fe2O3	0.04
MgO	0.30

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



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### **Physical Properties:** -

Color	White
Weight	48-50g/pcs
Hardness	HV 1000~1200

### **Coating Properties:** -

Deposit Efficiency	72%~80%
Bulk Density	3.1g/cc
Melting Point	2800° C
Porosity	<13%
Hardness	HV 1100

### **Packing:** -

Rods packed in tubes: 80 rods (PT-AO/01) & 50 rods (PT-AO/02)

10 Tubes packed in each wooden box

Thanks

Parat Technologies

*We are committed to your satisfaction*

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