

## NICROTIG 3545

TIG Rods [GTAW]

Nickel alloys

|   |                   |  |
|---|-------------------|--|
| <b>CLASSIFICATION:</b><br>EN ISO 14343-A : W Z 35 45 Nb | <b>APPROVALS:</b> | <b>APPLICATION:</b><br>Petrochemical and chemical industry |
|---|-------------------|--|

- Austenitic stainless steel filler metal.
- Very high scaling resistance at temperatures up to 1180°C.

### Application

High temperature applications; welding of heat-resistant steels and cast steels of similar grade; joining and cladding weldings of similar alloyed heat resistant steels and steel casts; joining and cladding of high heat resistant Cr-Ni steels of the same kind and cast steels in a low sulphurous environment.

### Typical chemical composition %

| C    | Si  | Mn  | Cr   | Ni   | Nb   |
|------|-----|-----|------|------|------|
| 0,40 | 1,5 | 1,0 | 35,0 | 45,0 | 0,75 |

### Typical mechanical properties

|   |      |
|---|------|
| <b>Yield strength Re [N/mm<sup>2</sup>]</b>   | >245 |
| <b>Tensile strength Rm [N/mm<sup>2</sup>]</b> | >450 |
| <b>Elongation A5 [%]</b>                      | >6   |

### Welding parameters and packing

| ∅   | Length [mm] | Weight of packet [kg] |
|-----|-------------|-----------------------|
| 2,0 | 1000 /      | 5,0                   |
| 2,4 | 1000 /      | 5,0                   |

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