

# LNT NiTi

## CLASSIFICATION

|           |                   |         |    |        |        |
|-----------|-------------------|---------|----|--------|--------|
| AWS A5.14 | ERNi1             | A-Nr    | -  | Mat-Nr | 2.4155 |
| ISO 18274 | S Ni 2061 (NiTi3) | F-Nr    | 41 |        |        |
|           |                   | 9606 FM | 6  |        |        |

## GENERAL DESCRIPTION

Solid wire for welding pure nickel and nickel alloys and joining these materials with non alloy/low alloy steel  
Suitable for surfacing carbon steels

## SHIELDING GASES (ACC. ISO 14175)

|    |                          |
|----|--------------------------|
| I1 | Inert gas Ar (100%)      |
| I3 | Inert gas Ar+ 0.5-95% He |

## CHEMICAL COMPOSITION (W%) TYPICAL WIRE

| C    | Mn  | Si  | Ni   | Ti  | Fe   |
|------|-----|-----|------|-----|------|
| 0.03 | 0.5 | 0.4 | bal. | 2.8 | 0.06 |

## MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

|                | Shielding gas | Condition | Yield strength<br>(N/mm²) | Tensile strength<br>(N/mm²) | Elongation<br>(%) | Impact ISO-V(J)<br>+20°C |
|----------------|---------------|-----------|---------------------------|-----------------------------|-------------------|--------------------------|
| Typical values | I1            | AW        | 250                       | 460                         | 30                | 120                      |

## EXAMPLES OF MATERIALS TO BE WELDED

| DIN-classification | Mat. Nr | ASTM/ACI  |
|--------------------|---------|-----------|
| Ni 99.6            | 2.4060  |           |
| Ni 99.8            | 2.4050  |           |
| Ni 99.6Si          | 2.4056  |           |
| Ni 99.4Fe          | 2.4062  |           |
| Ni 99.2            | 2.4066  | Alloy 200 |
| LC-Ni 99           | 2.4068  | Alloy 201 |
| LC-Ni 99.6         | 2.4061  | Alloy 205 |
| NiMn10             | 2.4108  |           |
| NiMn5              | 2.4116  |           |

## PACKAGING AND AVAILABLE SIZES

| Diameter [mm]  | 2.0 | 2.4 |
|----------------|-----|-----|
| 2.5 kg PE-Tube | X   | X   |

Note : Cut length = 1000 mm

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