

## TIGWELD NiMo

TIG Rods [GTAW]

Low alloyed steel

|                                                                 |                   |                                                                                              |
|-----------------------------------------------------------------|-------------------|----------------------------------------------------------------------------------------------|
| <b>CLASSIFICATION:</b>                                          | <b>APPROVALS:</b> | <b>APPLICATION:</b>                                                                          |
| EN ISO 16834-A : W 69 5 I1<br>ZMn3Ni1Mo<br>AWS A-5.28 : ER90S-G |                   | Power generation industry<br>Steel construction yards<br>Petrochemical and chemical industry |

Pręty TIG do stali wysokowytrzymałych drobnoziarnistych o wytrzymałości do 550MPa. Polecane do spawania rurociągów, zbiorników ciśnieniowych, kotłów, etc.

### Base material

|                                            |
|--------------------------------------------|
| P460NL1                                    |
| P460ML1                                    |
| S460Q-S550Q                                |
| S460QL-S550QL                              |
| P460Q-P500Q                                |
| P460QL1- 500QL1                            |
| 15NiCuMoNb5-6-4                            |
| A182 grade F36, A335 grade P36, A533, A537 |

### Typical chemical composition %

| C    | Si   | Mn   | Ni   | Mo   |
|------|------|------|------|------|
| 0,12 | 0,20 | 1,75 | 0,90 | 0,55 |

### Typical mechanical properties

|                                             |                  |
|---------------------------------------------|------------------|
| <b>Yield strength Re [N/mm2]</b>            | >640             |
| <b>Tensile strength Rm [N/mm2]</b>          | >740             |
| <b>Elongation A5 [%]</b>                    | >20              |
| <b>Impact energy Kv [J]</b>                 | >100 J (-50°C) / |
| <b>Shielding gases acc. to EN ISO 14175</b> | I1 - Ar /        |

### Welding parameters and packing

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

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