






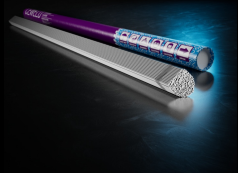


CEWELD ERTi-12 Tig

| | | | | | | | |
|---|--|---------------------------------|-------------------------|----------------------|--------------------|----------|------|
| TYPE | Titanium Tig welding wire grade 12 | | | | | | |
| APPLICATIONS | This alloy finds his applications in chemical industry and offers excellent Weldability. Often recommended for pressure vessels and piping for its superior strength alone. | | | | | | |
| PROPERTIES | ERTi-12. Grade 12 (Ti 0.8Ni0.3Mo) is an intermediate strength grade originally developed to provide enhanced crevice-corrosion resistance in high temperature brines, but at lower cost than Grade 7. The improved performance is believed to be the result of Ni++ and Mo++ ions that alter the surface electrochemistry of the material in the crevice or under a surface deposit. Grade 12 has better elevated temperature properties than Grade 2 or 3 and is sometimes specified for pressure vessels or piping for its superior strength alone. | | | | | | |
| CLASSIFICATION | AWS | A 5.16: ERTi-12 | | | | | |
| | EN ISO | 24034: S Ti 3401 / TiNi0,7Mo0,3 | | | | | |
| | W.Nr. | ~3.7105 | | | | | |
| | F-nr | 51 | | | | | |
| SUITABLE FOR | 3.7105 Titanium grade 12, Grade 7, Grade 2 and Grade 3 R56400 Ti3AL-1,5Mn | | | | | | |
| APPROVALS | | | | | | | |
| WELDING POSITIONS | <div> PA</div> <div> PB</div> <div> PC</div> <div> PD</div> <div> PE</div> <div> PF</div> <div> PG</div> | | | | | | |
| TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%) | C | H | N | O | Fe | Ni | Ti |
| | 0.02 | 0.005 | 0.01 | 0.12 | 0.1 | 0.8 | Rem. |
| MECHANICAL PROPERTIES | Heat Treatment | | R _{P0,2} (MPa) | R _m (MPa) | A ₅ (%) | Hardness | |
| | As Welded | | 345 | 480 | 20 | HRc | |
| REDRYING | Not required | | | | | | |
| GAS ACC. EN ISO 14175 | I1 | | | | | | |



CEWELD ERTi-12 Tig

| | | | |
|--------------------------|-----------|---------|---------------|
| ERTI-12 TIG 1,6 X 1000MM | Packaging | KG/unit | EanCode |
| | Tube | 2,5 | 8720663406477 |
| ERTI-12 TIG 2,0 X 1000MM | Packaging | KG/unit | EanCode |
| | Tube | 2,5 | 8720663406484 |
| ERTI-12 TIG 2,4 X 1000MM | Packaging | KG/unit | EanCode |
| | Tube | 2,5 | 8720663406491 |
| ERTI-12 TIG 3.2 X 1000MM | Packaging | KG/unit | EanCode |
| | Tube | 2,5 | 8720663406507 |