

OK Tigrod 2509

Bare corrosion resisting "Super Duplex" rods for welding of austenitic-ferritic stainless alloys of 25% Cr, 7% Ni, 4%Mo, low C types. OK Tigrod 2509 has high intergranular, pitting and stress corrosion resistance. The alloy is widely used in applications where corrosion resistance is of utmost importance. Pulp & paper industry, offshore and gas industry are areas of interest.

| Specifications | |
|-----------------|----------------------------------|
| Classifications | EN ISO 14343 : W 25 9 4 NL |
| Approvals | UDT DIN 8556 VdTÜV 06593 (IT) |

Approvals are based on factory location. Please contact ESAB for more information.

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|---------------|----------------------------------------------------------|
| Alloy Type | Austenitic-ferritic (25 % Cr - 10 % Ni - 4 % Mo - Low C) |
| Shielding Gas | I1, I3, N2 (EN ISO 14175) |

| Typical Tensile Properties | | | |
|----------------------------|--------------------|---------------------|------------|
| Condition | Yield Strength | Tensile Strength | Elongation |
| As Welded | 660 MPa (96 ksi) | 835 MPa (121 ksi) | 37 % |

| Typical Charpy V-Notch Properties | |
|-----------------------------------|-----------------------|
| Testing Temperature | Impact Value |
| -20 °C (-76 °F) | 200 J (147.5 ft-lb) |
| -50 °C (-58 °F) | 180 J (133 ft-lb) |