

OK Tigrod 5356

OK Tigrod 5356 is the most widely used welding alloy and can be classified as a general purpose type filler alloy. OK Tigrod 5356 is typically chosen because of its relatively high shear strength. The 5XXX alloy base material, welded with OK Tigrod 5356, with a weld pool chemistry greater than 3 % Mg and service temperatures in excess of 65°C are susceptible to stress corrosion cracking. The alloy is non-heat treatable.

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| Classifications Wire Electrode: | EN ISO 18273:S Al 5356 (AlMg5Cr(A)), JIS Z 3232:A5356, SFA/AWS A5.10:R5356 |
| Approvals: | CE EN 13479, JIS JIS Z 3232, DB 61.039.02, VdTÜV 04665, CWB A5.10/A5.10M:2012 ER5356, ABS R 5356 |

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

Typical Tensile Properties

| Condition | Yield Strength | Tensile Strength | Elongation |
|-----------|------------------|------------------|------------|
| As welded | 110 MPa (16 ksi) | 235 MPa (34 ksi) | 17 % |

Typical Wire Composition %

| Mn | Si | Cr | Al | Cu | Fe | Mg | Zn |
|------|------|------|--------|------|------|-----|------|
| 0.13 | 0.05 | 0.12 | 94.560 | 0.01 | 0.13 | 4.9 | 0.01 |