

OK Tigrod 309MoL

Bare corrosion resisting rod of "309LMo" type .

OK Tigrod 309MoL is used for overlay welding of unalloyed and low alloyed steels and for welding of dissimilar steels such as 316L to unalloyed and low alloyed steels when Mo is essential.

Classifications Wire Electrode	SFA/AWS A5.9 : ER309LMo (mod) EN ISO 14343-A : W 23 12 2 L
Approvals	DNV-GL VL 309 MoL (I1)

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

Alloy Type	Austenitic (with approx. 8% ferrite) "309LMo", 22 % Cr - 15 % Ni - 3 % Mo - Low C
Shielding Gas	I1 (EN ISO 14175)

Typical Tensile Properties

Condition	Yield Strength	Tensile Strength	Elongation
EN/ISO - Ar (I1)			
As Welded	510 MPa	630 MPa	26 %
AWS - Ar (I1)			
As Welded	490 MPa	640 MPa	33 %

Typical Charpy V-Notch Properties

Condition	Testing Temperature	Impact Value
EN/ISO - Ar (I1)		
As Welded	20 °C	90 J
AWS - Ar (I1)		
As Welded	20 °C	130 J
As Welded	-60 °C	65 J

Typical Wire Composition %

C	Mn	Si	Ni	Cr	Mo
0.01	1.5	0.4	14.6	21.4	2.5