Oxford® ALLOYS, Inc.
Supplier of Welding Alloys

Nickel Alloy TIG, MIG and SUB-ARC Wire

Oxford Alloy® 55

SPECIFICATIONS
N/A

CLASSIFICATIONS
N/A

DESCRIPTION / APPLICATION
Oxford Alloy Nickel 55 is used for the welding of cast iron. This filler metal is extensively employed to overlay cast iron rolls. It is also used to repair castings. The weld metal of Oxford Alloy Nickel 55 is harder than that of Oxford Alloy Nickel 99. However, the machining can be accomplished by using carbide tipped tools. A preheat and interpass temperature of 350°(175°C) minimum is recommended during welding, without which the weld and heat affected zones could develop cracks.

Typical Chemical Composition

C	Mn	Si	Fe	Ni		
0.05	0.25	0.15	43.6	55.9		

TYPICAL MECHANICAL PROPERTIES

Tensile strength:	89,500 psi	620 MPa
Yield strength:	62,000 psi	430 MPa
Elongation:	35%	

Please contact our sales department for more information at 800-562-3355 or 225-273-4800.