

HASTELLOY® C-2000® Coated Electrodes

Product Description:

HASTELLOY® C-2000® coated electrodes are used for the shielded metal arc welding of C-2000® alloy. The deposited weld metal has excellent resistance to uniform corrosion conditions in a variety of media including oxidizing and reducing environments. The alloy makes a great candidate for dissimilar joining of other nickel-chromium-molybdenum alloys and also molybdenum containing stainless steels. The electrodes are also used for the overlay and cladding of carbon steels where enhanced corrosion resistance is needed.

Specifications:

AWS A 5.11 ENiCrMo-17 Kennblatt 9677.03

ASME Code Case 2334 UNS W86200

*Specify at time of order

Composition:

Nickel:	Balance	Other:	0.50 max.
Chromium:	22.0-24.0	Silicon:	0.20 max.
Molybdenum:	15.0-17.0	Carbon:	0.02 max.
Iron:	3.0 max.	Phosphorus:	0.03 max.
Cobalt:	2.0 max.	Sulfur:	0.015 max.
Copper:	1.3-1.9		
Manganese:	0.50 max.		

Minimum Mechanical Properties:

Tensile (psi)	100,000
Mpa	690
Elongation (%)	25

Available Product Forms and Sizes:

Diameter in	0.093	0.125	0.156	0.187
Diameter mm	2.40	3.20	4.00	4.70
Length in	10	14	14	14
Length mm	254	355.6	355.6	355.6
Package Weight lbs.	5	10	10	10
Current (A) DCEP	40-70	70-100	80-140	120-150