

NW-1700

DESCRIPTION & APPLICATION

Essentially pure Nickel Filler Wire for the joining and surfacing of Alloys of a similar composition, (Nickel 200,201) Also suitable for the joining of these Alloys to steel, Nickel Alloys, copper and copper alloys. Used in high-grade plant/engineering primarily for the Petro-chemical industry.

BASE MATERIALS

Nickel 200,201
Stainless Steel
CuNi Alloys, NiCu Alloys (Monel)

MECHANICAL PROPERTIES

>420 UTS n/mm	>280 YIELD 0.2%	>25 ELONG A5%	+20°C. >120 -196°C. >110 CHARPY (J)
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METAL WELD COMPOSITION %

C	Si	Mn	Ti	Ni	Fe
0.05	0.4	0.4	3.0	BAL	0.5

PACKAGING

15kg Spools (MIG)
5kg Tubes (TIG)

DIAMETERS

0.8, 1.0, 1.2mm (MIG)
1.6, 2.4, 3.2mm (TIG)

WELDING INSTRUCTIONS

thorough cleaning of the weld zone is paramount. 100% Argon gas for TIG applications, Argon/Helium or Argon for MIG or proprietary special gases. Prior to welding, all traces of paint, oil, grease or other sources of hydrocarbons to be removed.