

## ❖ Product Description

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|---|--|
| I. The wire is used to welding ferritic-austenitic Superduplex steels | III. Excellent resistance to stress corrosion cracking and pitting corrosion |
| II. The welding deposit has high tensile strength and toughness       | IV. Radiographic weld quality  |

## ❖ Range of Application

- |  |  |
|--|--|
| I. For welding Superduplex stainless steel grades chemical composition | III. Valve bodies                          |
| II. Turbine, power generation  | IV. High pressure piping, offshore welding |

## ❖ Classification

- AWS/SFA 5.9 ER2594

## ❖ % Chemical Composition

Type of Wire		C	Mn	Mo	Si	S	P	Cr	Ni	N	Cu	W
ER2594	Min	-	-	2.5	-	-	-	24.0	8.0	0.20	-	-
	Max	0.03	2.5	4.5	1.0	0.02	0.03	27.0	10.5	0.30	1.5	1.0

## ❖ Wire Size & Weld Position

- Diameter in mm-1.6, 2.0, 2.40,3.20,4.00 and 5.00.
- All position

## ❖ Current and Gas- Flow Rate

- DCEN & 8-15 lit/min

## ❖ Packaging

Sizes available in cut length of 1000mm	1.60,2.00,2.40,3.20,4.00,5.00			
Packing Code	A		B	
Packing Available	5kg PLASTIC TUBE	20KG BOX	10KG PAPER TUBE	20KG BOX
Net Weight of Wire	5	20	10	20

### Special Note: -

**All the value above mentioned are typical values.**

- (1) All the value above mentioned are typical values
- (2) Usually all chemistry and mechanical properties will depend on actual wire chemistry and arc voltage used for welding.

## **SHAKUNT ENTERPRISES PRIVATE LIMITED**

**Corporate Office:-** 619/A, EMMAR DIGITAL GREEN, 6th Floor, Sector-61, GURUGRAM (HARYANA)-122102  
E-Mail:- [info@shakunt.com](mailto:info@shakunt.com)

**Ludhiana Works:-** B-XXIX-595/5,Campa Cola Road,Dhandari Kalan Industrial Area-C,Ludhiana (PUNJAB) **INDIA**

**Dharwad Works:-** Plot no.577 C & D,Belur Industrial Area,Dharwad-580011 (KARNATAKA) **INDIA**

**Vadodara Works:-** 67-A,G.I.D.C,Majusar,Savli,Vadodara-397115 (GUJARAT) **INDIA**