



RBCuZn-D Brass Brazing Rods:

Product Description:

RBCuZn-D Nickel Silver (RBCuZn-D) is a bare brazing rod used widely as a replacement for high cost silver brazing alloys when higher brazing temperatures are acceptable. The weld deposits have a very high tensile strength, good ductility and excellent corrosion resistance. Nickel Silver weld deposits are also readily machinable and will not work harden when put into service. A neutral or slightly oxidizing flame is recommended.



Equivalent Specification:

| ISO | USA | UNS | JIS | EN | DIN |
|---------------|---------------------|-----|------------|------------|-------------|
| 24373:2008 | AWS A5.7/A5.7M:2007 | | Z3341:1999 | 14640:2005 | 1733-1:1998 |
| CuZn40Ni10Sn1 | RBCuZn-D | - | GCuZnNi | CuZN40Ni10 | - |

Technical Specifications:

| Chemical Composition | RBCuZn-D |
|----------------------|------------|
| Copper (Cu) | 46-50% |
| Aluminum (Al) | 0.01% Max |
| Iron (Fe) | - |
| Manganese (Mn) | - |
| Lead (Pb) | 0.05% |
| Silicon (Si) | 0.04-0.25% |
| Tin (Sn) | - |
| Zinc (Zn) | Bal |
| Other | 0.50% |

Physical and Mechanical Properties:

| | | | |
|---------------------|--------------------------|----------------------|-----------------------|
| Solidus Temperature | 890°C (1634°F) | Liquidus Temperature | 935°C (1715°F) |
| Density | 8.40 gms/cm ³ | Tensile Strength | 385 N/mm ² |
| Elongation | 25% | Brinell Hardness | 120HB |

Sizes Available:

| | |
|------|---------------------|
| Wire | 1.0 mm to 11 mm Max |
|------|---------------------|