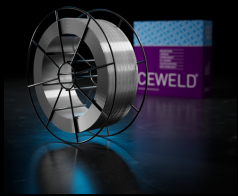


# CEWELD SP 80/20 NiCr

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            |                |             |           |                             |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------|-------------|-----------|-----------------------------|
| TYPE                                                 | Metal spray wires                                                                                                                                                                                                                                                                                                                                                                                                                                                         |            |                |             |           |                             |
| APPLICATIONS                                         | SP 80/20 NiCr is widely used as a bond coat for subsequent thermal spray layers and as a one step build up material for dimensional restoration. Excellently suitable as a buffer layer before finishing with ceramic layers.                                                                                                                                                                                                                                             |            |                |             |           |                             |
| PROPRIÉTÉS                                           | CEWELD SP 80/20 NiCr is a nickel-chromium electrical-resistance alloy for use at operating temperatures up to (2100 °F) 1150 °C. It contains rare-earth additions for increased oxidation resistance, especially under conditions of frequent switching or wide temperature fluctuations. The alloy has a low temperature coefficient of resistance, making it suitable for control resistors. Used for heating elements in domestic appliances and industrial equipment. |            |                |             |           |                             |
| CLASSIFICATION                                       | EN ISO                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            | 14919: 6.4     |             |           |                             |
| CONVIENT POUR                                        | NiCr metal spray wire for heat resistant coatings with excellent bonding strength.                                                                                                                                                                                                                                                                                                                                                                                        |            |                |             |           |                             |
| AGRÉMENTS                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            |                |             |           |                             |
| POSITIONS DE SOUDAGE                                 |                                                                                                                                                                                                                                                                                                                                                                                          |            |                |             |           |                             |
| ANALYSE CHIMIQUE<br>TYPIQUE DU MÉTAL<br>D'APPORT (%) | Si<br>0.12                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Mn<br>0.25 | Cr<br>20       | Fe<br>0.2   | Cu<br>0.1 | C<br>0.02<br><br>Ni<br>Rem. |
| PROPRIÉTÉS MÉCANIQUES                                | Heat Treatment<br>As Welded                                                                                                                                                                                                                                                                                                                                                                                                                                               |            | RP0,2<br>(MPa) | Rm<br>(MPa) | A5<br>(%) | Hardness<br>90 HRc          |
| ETUVAGE                                              | Not required                                                                                                                                                                                                                                                                                                                                                                                                                                                              |            |                |             |           |                             |
| GAS ACC. EN ISO 14175                                | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |                |             |           |                             |



# CEWELD SP 80/20 NiCr

SP 80/20 NICR 1,6MM

| Packaging | KG/unit | EanCode       |
|-----------|---------|---------------|
| BS-300    | 15      | 8720663409959 |
| BS-300    | 15      | 8720663409966 |