**RUTILEN 13**

|  |  |
| --- | --- |
| **Druh:** | Elektroda |

|  |  |  |  |
| --- | --- | --- | --- |
| **Normy:** | | | |
|  | Norma | Číslo | Označení |
|  | AWS | A 5.1 | E 6013 |
|  | DIN | 1913 | E 51 22 RR 6 |
|  | EN | 499 | E 42 0 RR 12 |
|  | ISO | 2560 | E 51 2 RR 22 |
|  | JUS | C.H3.011 | E 51 2 RR 22 |

|  |  |  |
| --- | --- | --- |
| **Certifikace/klasifikace:** | | |
|  | ABS |  |
|  | BV |  |
|  | CR |  |
|  | DB |  |
|  | DnV |  |
|  | GL |  |
|  | LRS |  |
|  | SZU |  |
|  | TUV |  |
|  | UDT |  |

|  |
| --- |
|  |

|  |  |
| --- | --- |
| **Poloha svařování:** |  |
|  | C:\Documents and Settings\Admin\Plocha\Jesenice\RUTILEN 13_1.bmp |

|  |  |
| --- | --- |
| **Fyzikální hodnoty:** |  |

|  |  |  |
| --- | --- | --- |
|  | Obal/náplň | rutilový |
|  | Teplota sušení | 140 °C/2h |
|  | Svařovací proud | C:\Documents and Settings\Admin\Plocha\Jesenice\RUTILEN 13_2.bmp |

|  |  |
| --- | --- |
| **Použití pro:** |  |

|  |  |
| --- | --- |
|  | Nízkolegované |

|  |
| --- |
| **Typické chemické složení v %:** |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | C | 0.08 | Si | 0.45 | Mn | 0.60 |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  | | --- | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  | | --- | |  |  |  | | --- | |  |  |  | | --- | | **Typické mechanické hodnoty:** |  |  | | --- | |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | Teplota | [°C] | 0 | 20 |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  | |  | Rm | [MPa] |  | 510 - 610 |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  | |  | Rp02 | [MPa] |  | > 360 |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  | |  | A5 | [%] |  | > 22 |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  | |  | KV | [J] | > 47 |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  | | --- | | **Rozměry a balení:** |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | Průměr [mm] | Délka [mm] | Balení | Hmotn. balení [kg] | [ks] v balení | Hmotn. 1 kusu [g] | Hmotn. 1000 ks [kq] | Krabiček /kartón [ks] | Hmotn. kartónu [kg] | Objednací číslo | \*) | |  |  |  |  |  |  |  |  |  |  |  |  | |  | 1.60 | 250 | pouzdro | 3.60 | 590 |  | 6.10 | 5 | 18 |  | A | |  |  |  |  |  |  |  |  |  |  |  |  | |  | 2.00 | 300 | pouzdro | 4.00 | 360 |  | 11.10 | 5 | 20 |  | A | |  |  |  |  |  |  |  |  |  |  |  |  | |  | 2.50 | 300 | pouzdro | 3.80 | 215 |  | 17.6 | 5 | 19 |  | A | |  |  |  |  |  |  |  |  |  |  |  |  | |  | 3.25 | 350 | pouzdro | 4.00 | 115 |  | 34.5 | 5 | 20 |  | A | |  |  |  |  |  |  |  |  |  |  |  |  | |  | 4.00 | 450 | pouzdro | 5.40 | 80 |  | 67.5 | 5 | 27 |  | A | |  |  |  |  |  |  |  |  |  |  |  |  | |  | 5.00 | 450 | pouzdro | 5.40 | 50 |  | 105.9 | 5 | 27 |  | C | |  |  |  |  |  |  |  |  |  |  |  |  | |  | 6.00 | 450 | pouzdro | 5.40 | 36 |  | 150 | 5 | 27 |  | C | |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | | **Použití:** |  |  |  | | --- | --- | |  | Silně obalená rutilová elektroda pro svařování nízkolegovaných ocelí. | |  | Elektroda má výborné svařovací vlastnosti a lehce se používá. | |  |  | |  |  |  |  | | --- | | **Poznámka výrobce:** |  |  |  | | --- | --- | |  | Tuto elektrodu je možno dodat v průměrech 2.00, 2.50 a 3.25 mm v | |  | "hobby" balení po 0,80 kg. | |  |  |  |  | | --- | --- | --- | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |