# S-401HF

## Flux Properties

**Class.** EN ISO 14174 S A AB 2
**Current** AC, DC +
**Density** 1.1g/cm$^3$
**BI** 2.5
**Grain Size** 10 x 48 Mesh

## Features

- Outstanding weldability, good slag removal
- Hardfacing welding

## Typical Chemical Composition of All-Weld Metal (wt%)

| Wire | C | Si | Mn | Ni | Cr | Mo | Nb | W | V |
|---|---|---|---|---|---|---|---|---|---|
| SC-414S | 0.10 | 0.6 | 1.2 | 2.6 | 14.8 | 1.0 | 0.20 | - | 0.4 |
| SC-423S | 0.05 | 0.4 | 1.0 | 2.5 | 16.7 | 1.2 | 0.20 | - | 0.4 |
| SC-420S | 0.33 | 0.8 | 1.8 | 0.5 | 12.6 | 1.9 | 0.18 | 1.4 | 0.4 |
| SC-420SG | 0.29 | 0.6 | 1.5 | 0.2 | 13.9 | - | 0.17 | - | - |
| SC-430 | 0.06 | 0.7 | 1.1 | - | 17.4 | - | - | - | - |

## Typical Mechanical Properties of All-Weld Metal

| Wire | Hardness (HRC) |
|---|---|
| SC-414S | 45 |
| SC-423S | - |
| SC-420S | 53 |
| SC-420SG | 53 |
| SC-430 | - |

## Wire Diameter & Packaging

| Packaging |
|---|
| Tin Can 20kg (44lbs)<br>PE Bag 20kg (44lbs) |