



## Chemical Composition

### Chemical Composition of Weld Metal (%)

Element	Standard Max (%)	Typical (%)
Carbon (C)	d0.15	0.08
Manganese (Mn)	d1.60	1
Silicon (Si)	d0.75	0.5
Sulfur (S)	d0.035	0.014
Phosphorus (P)	d0.035	0.02

## Mechanical Properties

### Mechanical Properties

Property	Standard	Typical
Yield Strength (MPa)	e400	480
Tensile Strength (MPa)	e490	570
Elongation (%)	>22	30
Charpy V Impact (-30 )	e27	127J
Bend Test (Degree)	N.S.	180

## Logistics & Packaging

### Packaging Details

- 20kg net carton weight
- 8 boxes x 2.5kg (for 2.5mm electrodes)
- 4 boxes x 5kg (for other sizes)
- Pallet options available upon request

## Certifications

### Industry Approvals

ABS • BV • DNV • GL • LR • NK