



## E BOND M

MILD STEEL GENERAL PURPOSE (MSGP)



Mild Steel Electrode for General Purpose Fabrication

**CLASSIFICATION : AWS A/ SFA 5.1**

E 6013

### KEY FEATURES :

- Rutile type coating
- Specially designed for general purpose fabrication application
- Superior welding characteristics
- All position electrode

**WELDING POSITION :**



**AC (50 OCV min.)/ DCEN**

### TYPICAL APPLICATIONS :

- Sheet metal work
- Storage tanks
- Steel furniture
- General fabrication

### CHEMICAL COMPOSITION OF UNDILUTED WELD METAL, Wt % :

	<b>C</b>	<b>Mn</b>	<b>Si</b>	<b>S</b>	<b>P</b>
Typical	0.08	0.3	0.1	0.02	0.02
Specification	0.2 max	1.2 max	1.0 max	-	-

### MECHANICAL PROPERTIES OF ALL WELD METAL :

	<b>Condition</b>	<b>UTS, MPa</b>	<b>YS at 0.2% offset, MPa</b>	<b>EL%</b>	<b>CVN Impact</b>	
					<b>at 27°C, J</b>	<b>At 0°C, J</b>
Typical	As Welded	460	405	26	60	41
Specification		430-540	330 min	17 min	40-70	30-50

### PARAMETERS - PACKING DATA :

<b>Ø x L, mm</b>	<b>Amperage, A</b>	<b>Approx. Pcs/Carton</b>	<b>Carton/Box</b>	<b>Approx. wt. of 1000 pcs, Kg.</b>
2.5 x 350	60-85	150	6	17
3.15 x 350	90-120	87	6	28
3.15 x 450	90-120	87	6	36
4.0 x 450	130-170	55	6	57
5.0 x 450	170-200	36	6	88