

GMW 7018

Standard:

AWS A5.1/ASME SFA-5.1: E7018

Technical Characteristics

The **GMW 7018** is manufactured using the most advanced formulation in the Brazilian market, combining characteristics that make it a benchmark in technological advancement. It exhibits an extremely low level of porosity and features a much more flexible coating, reducing the risk of cracking and providing greater comfort for the welder.

Dimensions and Welding Parameters

DC(+)

Diameter (mm)	Length (mm)	Current (A)
2,50	350	70 – 100
3,20	350	90 – 130
4,00	450	130 – 190
5,00	450	190 – 260
6,00	450	240 – 290

Typical Chemical Composition %

C	Si	Mn	P	S
0,06	0,45	1,10	0,025 máx.	0,020 máx.

Mechanical Properties (typical values)

Yield Strength	450 MPa
Yield Strength	550 MPa
Elongation	28 %
Impact Resistance at -30 °C	27 J mín.

Note: If necessary, the electrode must be re-dried at 250 °C for 2 hours.

Welding Positions



All positions except the downward vertical position.