

PRODUCT DATA SHEET

Afrox Megapac



Afrox Megapac is a bulk MIG/MAG wire system designed specifically to enhance the performance of automated welding systems. The wire is introduced into the drum by using a unique reverse twist coiling method, which ensures that the wire emerges from the container virtually straight. This facilitates the precise positioning of the robot, which in turn enhances weldability and accuracy, while reducing wear on liners and contact tips. In addition, the negative effects of the cast and/or helix which can be experienced with conventionally spooled reels is eliminated. Each Megapac contains approximately 230 kg of wire, which is equivalent to approximately 13 standard spools. With an estimated

changeover time of 15 minutes a spool, this amounts to an added three hours production time for every Megapac used. Afrox Megapac not only offers reduced equipment downtime, but also vastly improves production efficiency. Megapac containers which are 820 mm high with a diameter of 510 mm, occupy only a small area on the shop floor. The hood, through which the wire is fed from the drum, not only keeps the wire free from dust and dirt but also obviates the need for pay-off devices which are essential when other bulk packages are used. Megapac contains copper coated wire identical to MIG 6000.

Classifications

AWS	A5.18	ER 70S-6
SABS	145	Grade A
EN	14341	G42 2 C G4Si1

Approvals

Lloyds Register of Shipping DxVud,BF,2S,2YS,H15
American Bureau of Shipping 2SA
South African Bureau of Standards
TÜV

Typical Chemical Analysis (All weld metal)

% Carbon	0,07 - 0,15	% Sulphur	0,035 max
% Manganese	1,4 - 1,85	% Phosphorous	0,03 max
% Silicon	0,8 - 1,15	% Copper	0,4 max (typical 0,18%)

Typical Mechanical Properties (All weld metal using CO₂ gas)

0,2% Proof Stress	430 MPa min
Tensile Strength	510 - 570 MPa
% Elongation on 50 mm	26 min
Charpy V Notch at +20°C	110 J min
Charpy V-Notch at 0°C	80 J min
Charpy V-Notch at -20°C	47 J min

Packing Data

Diameter (mm)	Item Number
0,9	W033951
1,0	W033952
1,2	W033953

Packing Data

Description	Item Number
Megapac Liner (per metre)	W033982
Megapac Liner Connection Kit	W033983
Megapac Hood 510	W033985

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