

PRODUCT DATA SHEET

Afrox Filmax 1050 Afrox TIG 1050

Afrox Filmax 1050 and Afox TIG 1050 are high quality, commercially pure aluminium wires having a maximum of 0,5% alloying elements. Afox MIG 1050 is suitable for spray arc and pulsed arc transfer using high purity argon on thin sections or an argon/helium mixture (Alushield®). For MIG welding, gas flow rates of 15-20 l/min should be used on thicknesses greater than 4 mm. Afox TIG 1050 should be used with a zirconiated tungsten electrode with pure argon or Alushield® at flow rates of 10-15 l/min. For oxy-acetylene gas welding, a neutral flame should be used with aluminium welding flux (Item Number W001777).

Applications

The wire is recommended for welding unalloyed aluminium products, i.e. aluminium alloy types 1050, 1070, 1200 and equivalents. Applications in electronic, electrical and construction industries; equipment and containers for food, chemical, brewing and atomic energy industries; and decorative assemblies in architecture and transport.

Classifications

AWS	A5.10	Nearest equivalent ER1100
EN	18273	Al 1200 (Al99,0)

Typical Chemical Analysis (Wire analysis)

% Silicon	0,3 max	% Magnesium	0,05 max
% Iron	0,4 max	% Zinc	0,07 max
% Copper	0,05 max	% Titanium	0,05 max
% Manganese	0,05 max	% Aluminium	99,5 min

Typical Mechanical Properties (All weld metal in the as welded condition)

0,2% Proof Stress	20 MPa
Tensile Strength	65 MPa
% Elongation on 4d	35

Packing Data

MIG			TIG			
Diameter (mm)	Pack Mass (kg)	Item Number	Diameter (mm)	Pack Mass (kg)	Consumable Length (mm)	Item Number
1,2	7,0	W033167	1,6	5,0	1 000	W030506
1,6	7,0	W077507	2,4	5,0	1 000	W077501
-	-	-	3,2	2,0	1 000	W030508

Recommended shielding gases: Argon or Alushield®

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