

Aluminium Wire – Technical Data Sheet (ver 1.17)

Material Characteristics

Type : Aluminium Wire – 1080 Grade 99.80% Purity & 1090 Grade 99.90% Purity	Compliance Standards
Dimension : From 1.5mm to 2.4mm Ø ± 0.02mm	ISO 9001:2015 ; EN-573-3:2008 ; EC 1935/2004; EU 2023/2006; BS EN 602:2004; FDA (21 CFR 178.3910); DIN EN 14287; 94/20/CE art 11 sec. 1; EU Directive 1907/2006 article 33(I) – REACH Registration No. : 01-2119529243-45-0374; EU 1272/2008
Temper : H18	RoHS 2011/65/EU
EC No. : 231-072-3 CAS No : 7429-90-5	Aluminium supplied is not part of Conflict Minerals

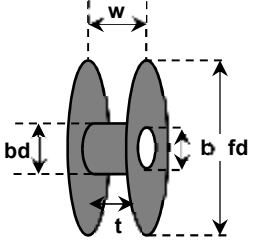
Chemical Composition (Typical)

Elements >> Grade vvv	%Si (max)	%Fe (max)	%Cu (max)	%Mn (max)	%Mg (max)	%Zn (max)	%Ti (max)	%Cr (max)	%B (max)	%V (max)	%Ga (max)	%Al
1080 Grade	0.05	0.10	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.04	99.80% to 99.89%
1090 Grade	0.05	0.07	0.005	---	---	0.025	0.015	---	---	---	---	99.90% to 99.95%
1199 Grade	0.003	0.003	0.00	---	---	0.002	0.002	---	---	---	---	99.990% to 99.995%

Mechanical Properties

Tensile Strength – Typical	1080 Grade : 16 to 18 kgs / sqmm = 150mpa to 180mpa 1090 Grade : 14 to 16 kgs / sqmm = 140mpa to 160mpa 1199 Grade : 12 to 14 kgs / sqmm = 120mpa to 140mpa
Elongation	Over 3%
Dimensional Tolerance in Ø	± 0.02mm
Temper	H18
Certified that the wire is joint free	Yes

Supplied on Plastic Spools

Drawing	Spool Type	Capacity (Kgs)	Flange Dia (fd) mm	Bore Dia (b) mm	Overall Width (w) mm	Traverse (t) mm	Barrel Dia (bd) mm
	EL200	2	200	51	53	45	100
	EL250 A/B	5	250	A=19; B=51	78	68	125
	EL270	6.5	270	51	102	90	150
	EL280 A/B	7	280	A=19; B=51	78	68	125
	EL300B	11	300	51	100	90	125
	EL305B	8	305	38	75	62	120
	EL320A	10	320	38	82	66	120
	EL320B	8	320	51	70	57	127
	EL320C/E	10	320	38	80	66	120
	EL320D	10	320	51	85	73	127
	EL350A	11	350	38	71	58	100
	EL360A	11.5	360	51	70	60	100
	EL360W	14.4	360	51	85	73	100

Layer – on – layer winding assured

Packing

Packing film is wrapped on the final layer of Aluminium wire to protect it from any contamination.
Spools are packed in corrugated boxes with corrugated sheets used as spacers between two spools
Boxes are then packed on a pallet or supplied loose as per customer requirement
Pallets are designed to ensure stuffing of maximum quantity in a 20ft container
Internal Corrugated solid angles are used to give additional strength to pallets
Pallets are finally wrapped with packing film

Product Identification and Traceability

Individual Spools are labeled with Aluminium Grade and Diameter mentioned. Every spool is numbered
Individual Boxes are labeled and numbered
Batch ID is mentioned on packing list
If boxes are packed on a pallet, the pallet is numbered and labeled

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Prepared & Signed by : Mr. Abhijit Mehta (Director)

Date : 16/11/2018