



SOFT CUT WIRE

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DESCRIPTION

Soft Cut Wire is produced by cutting non ferrous wire into pellets, the length equal to the diameter of the wire. Soft Cut Wire is used mainly for sand removal, deburring and deflashing of non ferrous components.

Soft Cut Wire is available manufactured from 3 metal types, aluminium, copper and zinc. Zinc cut wire is also available in a conditioned form which is used as a longer lasting alternative to cast zinc shot.

APPLICATION

Deburring and deflashing of aluminium and zinc castings and die castings. Removal of sand from sand castings. Removal of parting lines and stains from non ferrous castings.

Removal of water wrinkle from aluminium die castings and providing a luster satin type finish.

Zinc cut wire provides temporary corrosion protection to ferrous parts blasted with it. A very thin layer, up to 1.3µm thick is deposited onto the surface of the part.



Size in Details

Shot No.	CW0.6	CW0.7	CW0.8	CW1.0	CW1.5	CW2.0	CW2.5
Size in mm	0.6	0.7	0.8	1.0	1.5	2.0	2.5
Zinc as cut	O	O	√	√	√	√	√
Zinc conditioned	√	√	√	√	√	√	√
Aluminium AW1070	√	√	√	√	√	√	√
Aluminium AW5056	√	√	√	√	√	√	√
Copper	√	O	√	√	√	√	√

Physical Properties

	Specific Gravity	Bulk Density	Color	Shape	Hardness HV
Zinc as cut	7.1 g/cm ³	≈ 4200 kg/m ³	Grey	Cylindrical	35 - 55
Zinc conditioned	7.1 g/cm ³	≈ 4200 kg/m ³	Grey	Round	45 - 60
Aluminium AW1070	2.7 g/cm ³	≈ 1500 kg/m ³	Silver	Cylindrical	40 - 60
Aluminium AW5056	2.7 g/cm ³	≈ 1500 kg/m ³	Silver	Cylindrical	95 - 125
Copper	8.9 g/cm ³	≈ 5000kg/m ³	Copper	Cylindrical	100 - 150

Typical Chemical Composition % - Zinc

Fe	Zn	Al	Cd	Cu
0.004	99.99	0.003	0.002	0.001

Typical Chemical Composition % - Aluminium

	Cu	Mg	Mn	Fe	Si	Zn	Ti	Al	Cr	Other
Aluminium AW1070	0.01	-	-	0.16	0.6	-	-	99.7	-	0.26
Aluminium AW5056	0.1	4.5 - 5.6	0.05 - 0.2	0.4	0.3	0.1	0.15	balance	0.05 - 0.2	-

Typical Chemical Composition % - Copper

P	Pb	Cu+Ag	Fe	S	Zn	Sn	Sb	As	Ni	Other
0.002	0.004	99.95	0.004	0.004	0.003	0.002	0.002	0.002	0.002	0.053