


**MATERIAL DATA SHEET EN AW-1050A (AL 99,5)**

DESCRIPTION: Very good deformability and weldability, high thermal- and electrical conductivity, low mechanical properties, high corrosion resistance, the strength- and deformability ratio is achieved by various states of solidification.

**CHEMICAL COMPOSITION ACCORDING TO DIN EN 573-3**

%	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Miscellaneous
	0,25	0,40	0,05	0,05	0,05	-	0,07	0,05	Remainder	0,03

**DRAWN BARS AND TUBES EN 754-2**

Material Condition	Dimension D mm	Dimension S mm	Yield Point		Tensile Strength		Ultimate Strain	
			Rp 0,2 MPa min.	Rp 0,2 MPa max.	Rm MPa min.	Rm MPa max.	A50 mm % min.	A % min.
O	≤ 80	≤ 60			60	95	22	25
H111	≤ 80	≤ 60			60	95	22	25
H14	≤ 40	≤ 10	70		100	135	5	6
H16	≤ 15	≤ 5	105		120	160	3	4
H18	≤ 10	≤ 3	125		145		3	3

D = diameter  
S = wrench size of square- and hexagonal bars

USE: Apparats, containers and pipelines for the chemical and food industry, foils and thin tapes for packaging, heating pipes, glass closure, printing plates, strips for heat exchangers, boilers and insulations, hardware for kitchens, deep-drawn-, press-, and sheet-metal parts, extruded parts, automotive, visual automotive parts, light reflectors, architecture, as electrical conductor: EN AW-1350A.

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