

Table 48 : Alloy EN AW-7075 [Al Zn 5,5MgCu]

Extruded rod/bar								
Temper	Dimensions mm		R _m MPa		R _{p0,2} MPa		A %	A _{50 mm} %
	D ¹⁾	S ²⁾	min.	max.	min.	max.	min.	min.
O, H111	≤ 200	≤ 200	-	275	-	165	10	8
** T6, T6510, T6511	≤ 25	≤ 25	540	-	480	-	7	5
	25 < D ≤ 100	25 < S ≤ 100	580	-	500	-	7	-
	100 < D ≤ 150	100 < S ≤ 150	530	-	470	-	6	-
	150 < D ≤ 200	150 < S ≤ 200	470	-	400	-	5	-
T73, T73510, T73511 ⁹⁾	≤ 25	≤ 25	485	-	420	-	7	5
	25 < D ≤ 75	25 < S ≤ 75	475	-	405	-	7	-
	75 < D ≤ 100	75 < S ≤ 100	470	-	390	-	6	-
	100 < D ≤ 150	100 < S ≤ 150	440	-	380	-	6	-
Extruded tube								
Temper	Dimensions mm		R _m MPa		R _{p0,2} MPa		A %	A _{50 mm} %
	e ³⁾		min.	max.	min.	max.	min.	min.
O, H111	≤ 10		-	275	-	165	10	-
T6, T6510, T6511	≤ 5		540	-	485	-	8	6
	5 < e ≤ 10		580	-	505	-	7	5
	10 < e ≤ 50		580	-	495	-	6	4
T73, T73510, T73511 ⁹⁾	≤ 5		470	-	400	-	7	5
	5 < e ≤ 25		485	-	420	-	8	6
	25 < e ≤ 50		475	-	405	-	8	-
Extruded profile ¹⁰⁾								
Temper	Dimensions mm		R _m MPa		R _{p0,2} MPa		A %	A _{50 mm} %
	e ³⁾		min.	max.	min.	max.	min.	min.
** T6, T6510, T6511	≤ 25		530	-	460	-	6	4
	25 < e ≤ 60		540	-	470	-	6	-
T73, 73510, T73511 ⁹⁾	≤ 25		485	-	420	-	7	5

1) D = Diameter for round bar.
 2) S = Width across flats for square and hexagonal bar, thickness for rectangular bar.
 3) e = Wall thickness.
 9) Refer to annex A and annex B, for material in this temper.
 10) If a profile cross-section is comprised of different thicknesses which fall in more than one set of specified mechanical property values, the lowest specified value shall be considered as valid for the whole profile cross-section.