Material data sheet 3.4365 / EN AW 7075

Chemical composition to DIN EN 573-3 [in % of the mass, rest Al]

%	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti+Zr	Ga	V
min.	-	-	1,20	-	2,10	0,18	-	5,10	-	-	-
max.	0,40	0,50	2,00	0,30	2,90	0,28	-	6,10	0,20	-	-

Mechanical properties to DIN EN 754-2 / drawn tubes

Temper	Wall thickness *t* mm	R_m MPa		$R_{p0.2}$ MPa		A %	$A_{50\ mm}$ %	HBW typical value
		min.	max.	min.	max.	min.	min.	
O, H111	$\leq$ 20	-	275	-	165	10	8	60
T6	$\leq$ 20	540	-	485	-	7	6	150
T6510, T6511	$\leq$ 20	540	-	485	-	5	4	150
T73	$\leq$ 20	455	-	385	-	10	8	135
T73510, T73511	$\leq$ 20	455	-	385	-	8	6	135

Mechanical properties to DIN EN 755-2 / extruded tubes

Temper	Wall thickness *t* mm	R_m MPa		$R_{p0.2}$ MPa		A %	$A_{50\ mm}$ %	HBW typical value
		min.	max.	min.	max.	min.	min.	
O, H111	$\leq$ 10	-	275	-	165	10	-	60
T6, T6510, T6511	$\leq$ 5	540	-	485	-	8	6	150
	5 < t $\leq$ 10	560	-	505	-	7	5	150
	10 < t $\leq$ 50	560	-	495	-	6	4	150
T73, T73510, T73511	$\leq$ 5	470	-	400	-	7	5	135
	5 < t $\leq$ 25	485	-	420	-	8	6	135
	25 < t $\leq$ 50	475	-	405	-	8	-	135

(No responsibility is accepted for the accuracy of this information)

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