

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 %	$A_{50\text{ mm}}$ %	HBW typical value
		min.	max.	min.	max.			
O, H111	≤ 20	-	275	-	165	10	8	60
T6	≤ 20	540	-	485	-	7	6	150
T6510, T6511	≤ 20	540	-	485	-	5	4	150
T73	≤ 20	455	-	385	-	10	8	135
T73510, T73511	≤ 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 %	$A_{50\text{ mm}}$ %	HBW typical value
		min.	max.	min.	max.			
O, H111	≤ 10	-	275	-	165	10	-	60
T6, T6510, T6511	≤ 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	≤ 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)

Seeberger GmbH & Co. KG

Zu den Hohlwegen 2

D-58513 Lüdenscheid

Phone: +49 (0) 2351 9531-0

Fax: +49 (0) 2351 9531-300

E-Mail: info@seeberger.net

Internet: www.seeberger.net