



**MATERIAL DATA SHEET EN AW-2007 (ALCUMGPB / ALCU4PBMGMN)**

DESCRIPTION: Aluminum alloy with very good machinability.

CHEMICAL COMPOSITION												
%	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Bi	Sn	Pb
min.	-	-	3,3	0,50	0,40	-	-	-	-	-	-	0,8
max.	0,80	0,80	4,60	1,00	1,80	0,10	0,20	0,80	0,20	0,20	0,20	1,50

MECHANICAL PROPERTIES ACCORDING TO DIN EN 754-2 (DRAWN)					
Material Condition	Dimensions in mm	Tensile Strength	Yield Point	Ultimate Strain	Hardness
	Diameter Wrench Size	[N/mm <sup>2</sup> ]	[N/mm <sup>2</sup> ]	A5 in [%]	[HB]
T3	30 – 80	340 - 370	220 – 250	7	90 - 100
T4	< 80	min. 370	min. 250	8	95
T4511	80 – 200	min. 340	min. 220	8	95
	200 – 250	min. 330	min. 210	7	95

USE: The most utilized aluminum alloy regarding machining with automatic lathes. Boring-, turning-, and milling grade.

NO RESPONSIBILITY IS TAKEN FOR THE CORRECTNESS OF THIS INFORMATION