

Mechanical Properties

Alloy		EN	Temper	Diameter (D)	Square Rectangular Width (S)	R _m min Mpa	R _{p0.2} min Mpa	A %	A ₅₀ mm	Hardness [HB]				
EN AW-6060	AlMgSi	Extruded Tubes - Profiles 755 -2	Profiles											
				Wall thickness										
			T4	#25		120	60	16	14	45				
			T5	#5		160	120	8	6	50				
				5<e#25		140	100	8	6	50				
			T6	#3		190	150	8	6	60				
				3<e#25		170	140	8	6					
			T64	#15		180	120	12	10	67				
			T66	#3		215	160	8	6					
				3<e#25		195	150	8	6					
			Tubes											
			T4	#15		120	60	16	14	45				
			T5	#15		160	120	8	6	50				
			T6	#15		190	150	8	6	55				
			T64	#15		180	120	12	10					
			T66	#15		215	160	8	6	67				
EN AW-6063/6063A	AlMg0,7Si	Extruded Tubes - Profiles 755 -2	Profiles											
				Wall thickness										
			T4	#25		130	65	14	12	55				
			T5	#3		175	130	8	6	60				
				2<e#25		160	110	7	5	60				
			T6	#10		215	170	8	6	75				
				10<e#25		195	160	8	6	70				
			T64	#15		180	120	12	10	70				
			T66	#10		245	200	8	6	80				
				10<e#25		225	180	8	6	75				
			Tubes											
			T4	#10		130	65	14	12	55				
				10<e#25		120	65	12	10	55				
			T5	#25		175	130	8	6	60				
			T6	#25		215	170	10	8	75				
			T66	#25		245	200	10	8	80				
EN AW 6005/EN AW-6005A	AlSiMg	Extruded Tubes - Profiles 755 -2	Profiles											
				Wall thickness										
			Open											
			T4	#25		180	90	15	13	60				
			T6	#5		270	225	8	6	80				
				5<e#10		260	215	8	6	80				
				10<e#25		250	200	8	6	75				
			Hollow											
			T4	#10		180	90	15	13	60				
			T6	#5		255	215	8	6	75				
				5<e#15		250	200	8	6	75				
			Tubes											
			T6	#5		270	225	8	6	80				
				5<e#10		260	215	8	6	80				
			EN AW 6082	AlSi1MgMn	Profiles 755 -2	Profiles/Tubes								
							Wall thickness							
	Open	Hollow												
T4	#25					205	110	14	12	65				
T5	#5					270	230	8	6	80				
T6	#5					290	250	8	6	100				
	5<e#25					310	260	10	8	100				