

TYPE	STANDARD	GRADE	thickness : t mm.	CHEMICAL COMPOSITION (max)											TENSION TEST				BEND TEST		IMPACT TEST					
				C	Si	Mn	P	S	N	Cu	OTHER ELEMENTS				Yield Point min		Tensile Strength		Elongation min		Angle (Degree)	Inside radius	Temp (°C)	Absorption energy min (Joule)		
											Al	Cu	Cr	Mo	Ni	Ti	CE ²⁾	thick : t mm.	Kgf / mm ² [MPa , N/mm ²]	thick : t mm.					Kgf / mm ² [MPa , N / mm ²]	thick : t mm.
Hot-rolled plates, floor plates and slab	AS/NZS 3678 ⁴⁾ : 1999 (AMDT)	250 and 250L15 ¹⁾	ALL	0.22	0.55	1.70	0.040	0.030	0.10	0.40	0.30	0.10	0.50	0.04	0.44	t ≤ 8	28.5 [280]	t ≥ 6	42 [410] min	For test pieces with a cross sectional area > 1,000 mm ² , the minimum elongation shall be reduced by 2%.	22	* Where material has guaranteed minimum through thickness tensile properties, the reduction of the cross sectional area after fracture (z) : %min. = 25 (Avg. of 2 test) and 20 (Individual test).	- 15 (Only grade 250L15 , 350L15 and 400L15)	10 x 10 mm. 20(Individual) 27(AVG.of 3)		
		8 < t ≤ 12														26.5 [260]	20									
		12 < t ≤ 50														25.5 [250]										
		t ≤ 12														37 [360]									18	
		12 < t ≤ 20														36 [350]										
		20 <t≤ 50														35 [340]										
		400 and 400L15 ³⁾														0.35	t ≤ 12								41 [400]	
		350 and 350L15 ³⁾															12 < t ≤ 20								39 [380]	
																	20 <t≤ 50								37 [360]	
																	250 and 250L15 ¹⁾								t ≤ 12	41 [400]
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