

Classification of the listed properties is as specified in the column headed "Basis"

Alloy Temper	Registered		Product	Thickness in.	Tensile Strength, ksi			Elongation Percent in 2 in. or 4 D	Remarks ²
	By	Date			Basis ¹	Ult.	Yield		
2060-T86	Alcoa	06/03/13	Plate	0.750-1.500	*Min ⁶ *Min ⁹	73.0 73.0	68.0 63.0	9 6	*Tentative Solution heat treated, cold worked approximately 6% and artificially aged. <u>Fracture Toughness</u> ¹⁴ – Min K _{IC} or K _Q L-T direction 38 ksi√in. T-L direction 33 ksi√in.
2065-T84	Constellium	04/16/14	Extrusion	0.040-0.249 0.250-0.499	*Min ⁶ *Min ⁹	87.0 87.0	83.0 84.0	6 6	*Tentative Solution heat treated, cold worked approximately 3-4% and artificially aged.
+ 2081-T84	Kaiser	11/16/18	Plate	1.000-2.000 2.001-3.000 3.001-4.000	*Min ⁶ *Min ⁹ *Min ⁶ *Min ⁹ *Min ¹⁰ *Min ⁶ *Min ⁹ *Min ¹⁰	76.0 76.0 74.0 75.0 72.0 73.0 74.0 71.0	73.0 70.0 71.0 68.0 62.0 70.0 67.0 62.0	8 7 6 6 2 6 4 2	*Tentative Solution heat treated and cold worked 2-5%.
2090-T3	Alcoa	02/28/89 Revised 03/23/99	Sheet	0.032-0.249	Min	46.0	31.0	6	
2090-T83	Alcoa	03/15/88 Revised 03/09/98	Sheet	0.032-0.125 0.126-0.249	Min ⁶ Min ⁹ Min ⁶ Min ⁹	77.0 73.0 75.0 73.0	70.0 66.0 70.0 66.0	3 5 4 5	
2090-T86	Alcoa	08/11/88 Revised 07/30/90 Reactivated 07/18/12	Extrusion	Up thru 0.124 0.125-0.249 0.250-0.499	Min ⁶ Min ⁶ Min ⁶ Min ⁹	78.0 78.0 80.0 76.0	71.0 71.0 73.0 68.0	4 5 5 -	
2195-T34	Rio Tinto Alcan	06/07/10	Plate	0.500-2.250	Min ⁹	52.0	36.0	14	Solution heat treated and cold worked in the range 3-5%.
2195-T8	Constellium	03/09/12 Revised 01/20/15	Sheet & Plate	0.125-0.499	Min ⁶ Min ⁹	82.0 80.0	78.0 76.0	6 6	
2195-T82	Rio Tinto Alcan	10/11/09	Plate	0.500-1.499 1.500-2.250	Min ⁶ Min ⁹ Min ⁶ Min ⁹ Min ¹⁰	80.0 82.0 77.0 80.0 81.0	75.0 76.0 73.0 72.0 69.0	6 5 6 5 2	<u>Stress Corrosion Resistance</u> For thicknesses 0.750 - 2.250 inches. C-rings or Tensile specimens machined and tested in accordance with ASTM G47 shall show no evidence of stress corrosion failure when tested in the short transverse direction at 45 ksi and exposed for 30 days. <u>Compressive Yield Strength</u> For thicknesses 0.500 - 2.250 inches in LT direction, Min 76.0 ksi.