

ALLOY 7095

ALLOY DESCRIPTION

Alloy 7095 is a high strength aluminum alloy with toughness properties listed below. It is frequently used in applications such as high performance after-market automotive, defense, and recreational sporting goods. 7095 is offered in extruded only tempers in both rod and bar products.

Chemical Composition Limits										Others	
Weight %	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Zr	Each	Total
Minimum	-	-	2.0	-	1.4	-	8.6	-	0.08	-	-
Maximum	0.10	0.12	2.8	0.05	2.0	0.05	9.8	0.06	0.15	0.05	0.15

Typical Mechanical Properties							
Temper	Tensile (.500 Dia. Specimen)				Fracture Toughness		
	Yield		Ultimate		Elongation/4D Percent	KIC(S-T)	
	KSI	MPa	KSI	MPa		ksi(in) ^½	MPa(m) ^½
T6/T6511	98	676	101	696	12	25	27.5

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