



Tri-City Extrusion

6063

Aluminum alloy 6063 is a medium strength alloy commonly referred to as an architectural alloy. It is normally used in intricate extrusions. It has a good surface finish, high corrosion resistance, is readily suited to welding and can be easily anodized. Most commonly available as T6 temper, in the T4 condition it has good formability.

Chemical Composition Limits

<u>Alloy</u>	<u>Si</u>	<u>Fe</u>	<u>Cu</u>	<u>Mn</u>	<u>Mg</u>	<u>Cr</u>	<u>Zn</u>	<u>Ti</u>	<u>Others Each</u>	<u>Others Total</u>	<u>Aluminum</u>
6063	0.2-0.6	0.35	0.10	0.10	0.45-0.9	0.10	0.10	0.10	0.05	0.15	Remainder

ALLOY AND TEMPER	SPECIFIED DIAMETER OR THICKNESS ① OR MINIMUM DISTANCE ACROSS FLATS in.	AREA sq. in.	TENSILE STRENGTH—ksi				ELONGATION ② percent min. in 2 in. or 4D ③
			ULTIMATE		YIELD		
			min.	max.	min.	max.	

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6063-O	All	All	·	19.0	·	·	18
6063-T1	Up thru 0.500	All	17.0	·	9.0	·	12
	0.501- 1.000	All	16.0	·	8.0	·	12
6063-T4 and T42 ④ ⑤	Up thru 0.500	All	19.0	·	10.0	·	14
	0.501- 1.000	All	18.0	·	9.0	·	14
6063-T5	Up thru 0.500	All	22.0	·	16.0	·	8
	0.501- 1.000	All	21.0	·	15.0	·	8
6063-T52	Up thru 1.000	All	22.0	30.0	16.0	25.0	8
6063-T6 and T62 ④ ⑤	Up thru 0.1.24	All	30.0	·	25.0	·	8
	0.125 – 1.000	All	30.0	·	25.0	·	10

Note: Limits shown are the latest at time of publishing from Aluminum Association.

1610 Arkansas Avenue • P.O. Box 1966 • Bristol, Tennessee • 37620

Phone: 423.764.8931 or 866.242.9348

Fax: 423.764.8340 or 866.242.9349

www.tricityextrusion.com