

# GUARANTEE

## ALUMINUM PROFILES AND ACCESSORIES

We confirm following characteristics of aluminum profiles and accessories:

- Alloy  
Value: 6060 / 6063 / AlMgSi0.5  
Standard: EN 573-3 DIN 1725
- Specific Gravity  
Value: 2.71 gr/cm<sup>3</sup>
- Coefficient of thermal expansion  
Value: (20-200 °C) 23 x 10<sup>-6</sup>
- Modulus of Elasticity  
Value: 70000 N/mm<sup>2</sup>
- Ultimate Tensile Strength (\*)  
Value for 6063-T5: 215 N/mm<sup>2</sup>  
Value for 6060-T5: 160 N/mm<sup>2</sup>  
Standard: EN 755-2
- Yield Strength (\*)  
Value for 6063-T5: 160 N/mm<sup>2</sup>  
Value for 6060-T5: 120 N/mm<sup>2</sup>  
Standard: EN 755-2
- Elongation A(%)  
Value for 6063-T5: 8 %  
Value for 6060-T5: 8 %  
Standard: EN 755-2
- Thickness of powder coating on visible surface  
Value: 60 microns  
Standard: QUALICOAT
- Thickness of anodic oxide film (anodizing)  
Value: 5 / 10 / 15 / 20 microns (According to exterior or interior application of the extruded profile at the building)  
Standard: QUALANOD

(\*) Mechanical property limits vary according to the thickness of the profile (EN 755-2)

Standards for dimensional tolerances of extruded aluminium profiles : EN 755 - 9 / EN 12020-2

Standards for extruded aluminium rods, bars and tubes: EN 755 - 3 / EN 755-4 / EN 755-5 / EN 755 - 6 and EN 755 - 8.



Ni-TA Metal Pazarlama San. ve Dış Tic. Ltd. Şti.

İtösb Sanayi Sitesi 2.Cadde No: 22, Tepeören-tuzla, İstanbul - Türkiye

Tel: 00 90 216 593 29 56, Tel: 00 90 216 593 29 57, Fax: 00 90 216 593 29 58

E-mail: [info@ni-ta.com.tr](mailto:info@ni-ta.com.tr) | [www.ni-ta.com.tr](http://www.ni-ta.com.tr)