Copper

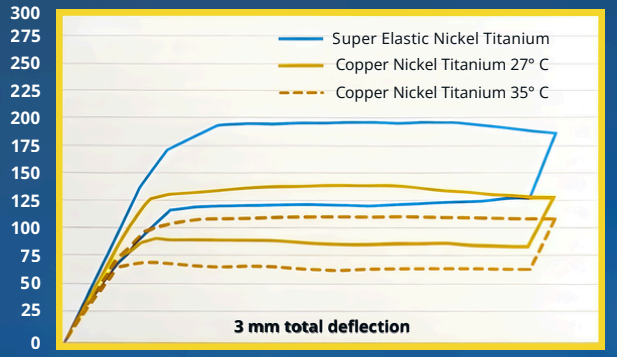
Nickel Titanium Archwires

Acme Monaco's **Copper** *Nickel Titanium Archwires*, not your ordinary niti archwire!

The blend of copper in the raw material along with our advanced manufacturing process provide unique advantages that can be appreciated by both the patient and your orthodontist. Our wire exhibits lower loading forces, which ease wire engagement and reduce patient discomfort. Our archwire exhibits more consistent thermal active force and maintains the constant force for a greater distance of unloading and tooth alignment. These features offer an opportunity for extended time periods between patient wire changes.

Acme Monaco's **Copper** *Nickel Titanium Archwires*.....a wire with the properties to reduce chair time and tackle your customer's most challenging cases.

Force curve - Copper Niti 27° C, 35° C, and SE Niti Testing per ISO 15841 (force in grams)



*Upper curve on each chart is loading foce and lower curve is unloading or working force

** Results from .014" Archwire shown

Clinical Advantages

- A true superelastic wire with thermo elastic shape memory
- Generates more consistent tooth movement as the wire is active longer in the optimal force range
- Offered in multiple transformation temperatures to provide the right wire for your unique case. The higher the temperature transition (TTR), the lower the relative forces delivered by the wire
- The lighter forces exhibited by the copper nickel titanium and its high flexibility allow these wires to be engaged in cases with moderate to severe tooth to tooth misalignment
- Longer clinical activation promotes reduced chair time and greater durations between wire changes
- Independent testing has shown that the copper nickel titanium wire demonstrated maximum unraveling of crowding over a period of time when compared to nickel titanium and stainless steel
- The addition of copper has been known to increase corrosive resistance and control the hysteresis width

Features offered

- ✓ Currently available in both 27° C (medium) and 35° C (light) Af transition temperatures
- ✓ Offered in most orthodontic wire sizes and arch forms
- ✓ Ultra smooth finish to reduce friction
- ✓ Is offered with, or without stop tubes
- ✓ Packaged to your specific requirements

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