Movement System for rehabilitation of knee joints

Company: Silicon Plastic

Application Sector: Medical

Requirements: The external medical movement system for the adjustment of the position of the knees joints during the rehabilitation, requests at the same time features of resistance and lightness.

Benefits: MIM allows to reduce further working treatments on the part, otherwise requested for the complex shape, while the use of TITANIUM alloy Ti-6Al-4V gives the necessary lightness.

Density: 4.25 g/cm³
Tensile Strength: 905 MPa
Finishing: Tapping, tumbling or sandblasting (depending on the version)
Interstitial elements content: O 0.24 wt% - C 0.05 wt% - N 0.02 wt%
Elongation to fracture: 15%
Weight: 45.8 g for the two parts in Ti-6Al-4V
80.4 g for the two parts in Stainless steel

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