

**TWARON® Unicorn's Tail** is a speaker cabinet filler for acoustic damping purpose which is produced by Thüringisches Institut für Textil- und Kunststoff-Forschung (TITK), Germany, exclusively for MUNDORF company, Germany.

Unicorn's Tail is predominantly made from cleaned and karded TWARON® fibres as user-friendly "endless" strings. It was especially developed to absorb and damp the lower audio frequency range (<1 kHz) in subwoofers, transmission line tubes, insulation panels, etc. The material is easy to work with and does not age. The damping performance of TWARON® compares so favourably with that of all other known damping materials that it is today a "must" for many well-known developers and manufacturers of high-end speakers.

The extremely thin TWARON® fibres are karded into an extremely soft and dense so-called Horsetail Hair we named Unicorn Hair. In contrast to fibreglass and other plastic fibres, TWARON® conducts heat generated vibrations away very well and absorbs this type of acoustic motion energy in an entirely different manner than all conventional materials which are commonly used for damping purpose. Owing to the endless fibre tapes used in Unicorn Hair, the effective functional frequency-range is lower in comparison with the Angel Hair described below. It constitutes a significantly better alternative to the damping materials which are otherwise used in transmission line systems. In short, Unicorn Hair results in a very direct and dry bass reproduction in (sub-) bass cabinets, and in transmission-line tubes. The low-frequency vibrations are attenuated so efficiently that an extremely deep and clean bass reproduction "like by itself" is achieved.



Unicorn's Tail

**UNICORN**  
**MSilence TWARON® Unicorn's Tail**

Order number	Packing unit	weight [kg]	
UNICORN-200G	1	0,2	
UNICORN-200G	5	1	
UNICORN-200G	60	12	on request
UNICORN-200G	720	144	on request

The frequency/damping performance diagram show how the low and medium audio frequency range can be adjusted very easily with the correct quantity of Unicorn's Tail filling.

