

MICROPOCKET



PRODUCT DESCRIPTION

Structure constituted of a high number of **tempered microsprings** (example 750 coils single – 1.500 coils double) inserted in proper pockets made of fabric, suitable not to generate moulds and other pathogenous agents, caused from the extravasation of dampness sent out from the body in the sleep.

The microsprings, which are individually pocketed and joined together by connecting thermally welded points, guarantee the independence and the noiseless movement of each spring, therefore allowing the body to fit itself to every single position it takes while sleeping: in fact springs work independently and while doing this, they wind round the spine and help to balance the pressures.

The structure of the spring is 14 cm, its versatility allows the production version in different areas (7 zones) with wire diameter (1.10-1.20-1.30-1.40 mm.).

This structure is composed of springs to barrel, linked together by hot glue in the center, while the top and bottom using a needle punch 90 gr/mq, which gives firmness and elasticity the structure itself; can be used on motion nets, allowing them to bend without causing any damages.

Every single spring is subjected to a **thermic treatment at intervals included between 260°C and 300°C**, which allows to avoid unpleasant problems concerning sinking of the mattress during its useful life.



TECHNICAL FEATURES OF MATERIALS

WIRE Phosphated steel wire C45

MATERIAL	DIMENSION	DIMENSIONAL TOLERANCES	MECHANICAL AND TECHNOLOGICAL FEATURES	
DESIGNATION	WIRE DIAMETER (mm)	SHIFTING LIMIT (mm)	TENSILE STRENGTH N/mm ²	Kgf//mm ²
WIRE 1.1	1.10	± 0.020	1670 ÷ 1970	170 ÷ 200
WIRE 1.2	1.20	± 0.020	1670 ÷ 1970	170 ÷ 200
WIRE 1.3	1.30	± 0.020	1670 ÷ 1970	170 ÷ 200
WIRE 1.4	1.40	± 0.020	1670 ÷ 1970	170 ÷ 200

FABRIC

White “needled” felt (80% polypropiline – 20% polyester fiber)

GLUE

Ecomelt hot melt glue at limited open time; nontoxic and nonflammable

SPECIFICATION

SPRING		SPRING-UNIT	
SHAPE	Barrel shaped	COURSE OF STRANDS	7 zone
N° OF TURNS	8,5	BAGS CONNECTING-SYSTEM	ultra-sonic welded
HEIGHT	14 cm	STRANDS CONNECTING-SYSTEM	by hot melt
COIL DIAMETER	30/32 mm	COUNTCOILS	aprox 580