

TECHNOLOGY FOR COMFORT

INNOVATION
FOR QUALITY
OF LIFE

L-MEMORY

COMFORT TAKES SHAPE

LTA SRL
NON WOVEN TECHNOLOGY

SLOW MEMORY, EXTREME COMFORT

L-Memory, a new visco-elastic foam by LTA, is a "slow-memory" material with a moulding wrap effect that provides optimal shock absorption. L-Memory is self-modelling and thermo-sensitive, with high resilience (being the capacity of a material to resist short-term stresses). It uses human body heat to mould itself with millimetre precision, becoming perfectly ergonomic.



HIGH PERFORMANCE IN A VARIETY OF FIELDS

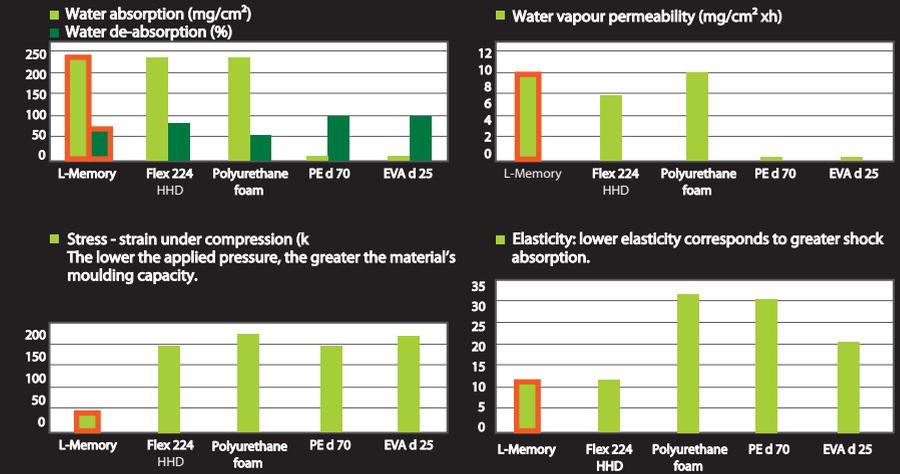
L-Memory is produced in varying degrees of density. These products can be used in the manufacture of pillow and mattresses for institutional applications (such as hospital beds, homes for the elderly, therapeutic centres, etc.), medical positioning systems, sports equipment, footwear, acoustic applications, packaging and impact protection and absorption. When used as helmet padding, it adapts to the shape of the head, providing maximum comfort and safety. In the production of insoles, it moulds perfectly to the shape of the foot according to the weight and pressure of the user, guaranteeing excellent levels of comfort.

A SPECIAL CAPACITY TO ADAPT

The reaction of L-Memory depends on the speed at which loads land upon its surface. When subjected to slow and relatively light loads, it uses its visco-elastic properties to distribute their weight and pressure in an optimal fashion across its surface before slowly returning to its original shape once the load has been lifted. When, however, the load is sudden and heavy, the material's shock absorption characteristics become more apparent.

The following tables show some of the distinctive characteristics of L-Memory. The values shown for water absorption and de-absorption, resistance and strain under compression clearly demonstrate the material's qualities.

Tests carried out by accredited external laboratories.



ADAPTABILITY
SHOCK ABSORPTION
BREATHABILITY

L-MEMORY

OPEN CELL STRUCTURE FOR HIGH BREATHABILITY

Breathability is guaranteed by its special "open cell" structure, similar to a natural sponge, facilitating rapid dispersion of heat and moisture.

STOPS BACTERIA

L-Memory is treated with an anti-microbial product (Sanitized®) immunising it from bacteria that would otherwise cause the proliferation of mould and fungus.

L-Memory is an environmentally friendly water-blown foam.



SPECIAL CHARACTERISTICS	NORM	RESULTS
Staphylococcus aureus	ATCC 6538	Effective
Penicillium funiculosum	ATCC 36839	Effective
Water vapour permeability	EN ISO 20344	9,4 mg / cm2 xh
Water absorption	EN ISO 20344	230 mg / cm2
Water de-absorption	EN ISO 20344	89%
Elasticity	UNI 6357	12
Stress - strain under compression	UNI EN ISO 33861	37 kPa
Residual Deformation	ASTM D 3575	5%

Tests carried out by accredited external laboratories.



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