

SPIN 4300

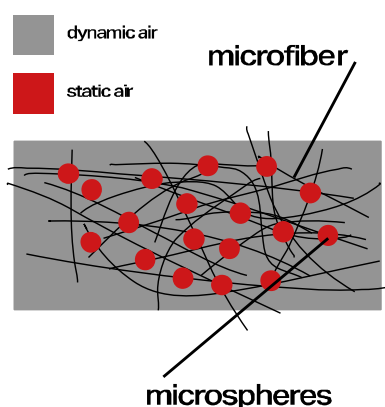
lining designed for hiking, winter, work footwear, made by synthetic microfibers and microspheres. Particularly suitable for shoes with C.I. certification (Cold Insulance). The typical softness allows it to be used with all shape of footwear. Easy to work and cut without fraying.

Air is one of the best thermal insulators, which in breathable materials is subject to convection currents and thus to be replaced by cold air. The present technologies make it possible to reduce this effect, thus improving the thermal insulation, using microfibers that create a dense mesh in order to slow down the transfer of the air outside. The **Elatherm** technology combines microfibers to the microspheres, which are internally empty. The air inside the microspheres cannot get out of the material and therefore produces a thermos effect that raises the power of **thermal insulation**.

The **breathability** is guaranteed by the porous fibers structures. **Lightness** and **elasticity** are a consequence of the compressibility and elastic effect of the microspheres.

Everything for improved comfort.

The surface fabric offers a pleasant touch sensation. The external membrane protects against water penetration and at the same time allows perspiration of the foot.



thermal insulation
breathable
elastic
light



70 % Polyester
30 % Synthetic Resin

Technical Indication

Temperatures above 130 ° C can damage the microspheres

TEST		UNITS	STANDARD	TYPICAL VALUES
weight		gr/m ²	UNI EN ISO 2286-2	380
thickness		mm	UNI ISO 2589	3,50
density		kg/m ³		108
roll width		cm		150
static air		%		10
dynamic air		%		90
dry abrasion	51'200			no hole
wet abrasion	25'600	cycles	UNI ISO 20344:2011	no hole

The mentioned data are average values resulted on standard products of ours. The results are obtained either by own Laboratory or by Official Laboratories and they follow both internal and international Standard Norms. They are typical and strictly confidential data