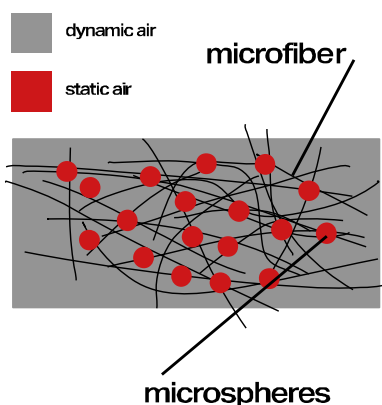


# ELATHERM 4300

Designed for padding of hiking, winter, work footwear, is made by synthetic microfibers and microspheres. Particularly suitable for shoes with C.I. certification (Cold Insulation). 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



*thermal insulation*  
*breathable*  
*elastic*  
*light*



61% Polyester  
 39% Synthetic Resin

### Technical Indication

Temperatures above 130 ° C can damage the microspheres

TEST	UNITS	STANDARD	TYPICAL VALUES
weight	gr/m <sup>2</sup>	UNI EN ISO 2286-2	150
thickness	mm	UNI ISO 2589	3,30
density	kg/m <sup>3</sup>		45
roll width	cm		150
static air	%		8
dynamic air	%		92
thermal insulation	Rct	m <sup>2</sup> K/W	0,09
	Clo		0,59
		EN 31092	

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

