

# type LS

## Product Definition

Compared with traditional crosslinked polyolefin bun foams, Minicel LS has superior resistance to permanent set, is more resilient, possesses high coefficient of friction, and is softer at higher densities. This last feature permits the use of high density foams with their better physical properties while maintaining softness and conformability.

Minicel LS grades are closed-cell chemically crosslinked polyolefin foams. The Minicel manufacturing process produces fine-celled, smooth surfaced, elastomeric foams. The foams are available in a variety of standard and custom colors. They can be fire retarded to meet specific requirements.

Minicel LS offers a combination of toughness and flexibility.

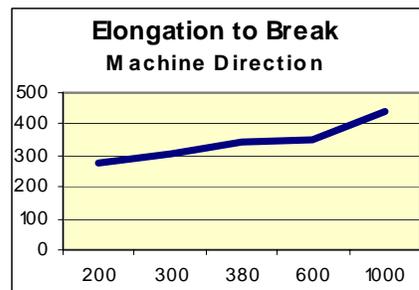
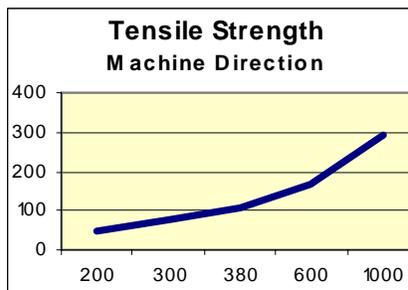
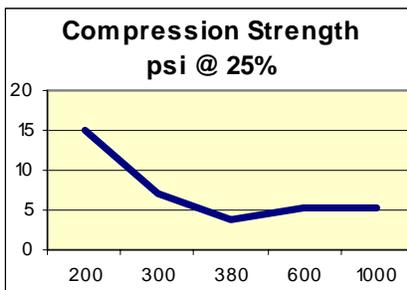
## Product Characteristics

- Recovery from compression
- Resilient
- High coefficient of friction
- Soft, conformable at higher density
- Buoyant
- Thermoacoustic, electrical insulator
- Low water absorption
- Impervious to mildew, mold, rot, and bacteria
- Excellent chemical resistance
- Does not contain CFCs, HCFCs, and Hydrocarbon foaming agents

Minicel LS can be skived, laminated, embossed, thermoformed, sewn, printed, vinyl-dipped, and pressure sensitive adhesive coated.

## Product Form

- Minicel LS200, LS300, LS380, LS600 & LS1000 are produced in molded bun form.
- Standard slab sizes after trimming are:  
 LS200, LS300, LS380, & LS600  
 3" X 48" X 48"  
 3" X 48" X 54"  
 4" X 48" X 48"  
 LS100  
 1 3/8" X 40" X 40"  
 2.5" X 48" X 48"



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# LS Bun Foam

## Preliminary Properties

<u>Property</u>	<u>LS-200</u>	<u>LS-300</u>	<u>LS-380</u>	<u>LS-600</u>	<u>LS-1000</u>
Density, pcf * lbs/ft <sup>3</sup> (pcf)	2	3	3.8	6	10
Compression Strength * psi @ 25% psi @ 50%	4.1 10.9	6.1 13.7	8.8 17.8	11.7 23.0	27.3 45.3
Tensile Strength * psi	45	80	109	165	291
Elongation to Break * %	273	309	346	348	443
Tear Resistance * lbs/inch	7	10	14	23	47
Compression Set * % of original thickness	15.0	7.0	3.8	5.2	5.4
Thermal Stability ** Three hours @ 158 degrees F % lineal shrinkage	-4.1	-3.8	-3.0	-2.3	-1.5
Recommended Temperature Range ** Degrees F	-110 to +160				

\* ASTM D3575

\*\* Voltek test method

Note: These physical properties are from limited production runs and are subject to change when more data becomes available.

This information on Minicel chemically crosslinked polyethylene foam is presented to our best knowledge. All test data are average values unless stated and should be considered as guidelines to the performance of this product and should not be used as specifications.