

LF200

Product Definition

Minicel LF200 was developed to meet certain federal, military and industry requirements on the flammability of cellular plastics. The data present here shows its performance when tested in accordance with these test methods. It should be understood that laboratory tests do not represent actual fire conditions.

Minicel LF200 is chemically crosslinked polyethylene foam with an extremely fine cell structure, excellent mechanical properties, combined with certain fire retardant properties.

Product Characteristics

- Resiliency
- Excellent buoyancy
- Good thermal insulator
- Excellent strength and shock absorption
- Low water absorption
- Impervious to mildew, mold, rot, and bacteria
- Excellent chemical resistance

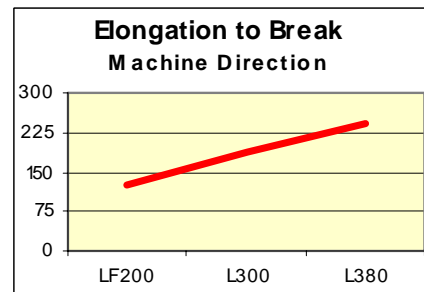
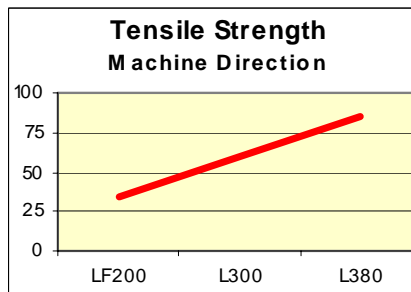
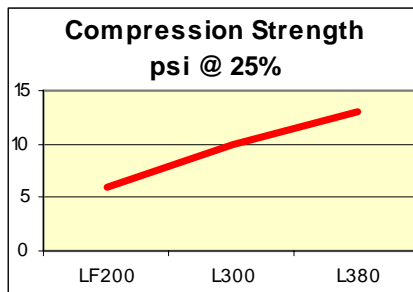
Product Form

- Minicel LF200 is produced in molded bun form.

- Standard slab sizes after trimming are:

3" X 48" X 48"
 4" X 48" X 48"
 3" X 48" X 54"

Minicel LF200 can be skived, laminated, embossed, thermoformed, die-cut, sewn, printed, vinyl-dipped, and pressure sensitive adhesive coated.



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Typical Properties of Minicel LF200

<u>Property</u>	<u>Values</u>
Density, pcf (ASTM D3575)	1.6
Compression Strength, psi (ASTM D3575) @ 25% deflection	6
@ 50% deflection	15
Compression Set (ASTM D3575) % of original thickness	12
Tensile Strength, psi (ASTM D3575)	34
Elongation To Break (%) (ASTM D3575)	124
Tear Resistance (ASTM D3575) lbs./inch	6
Water Absorption (ASTM D3575) lbs./sq. ft. of cut surface Maximum	0.03
Temperature Range Degree F	(-100) - +200

Flammability Properties of Minicel LF200

LF200 passes the following flammability tests:

- FMVSS-302: Motor Vehicles
- FAR 25.853b: Aircraft Seats
- UL94 (Rating HF-1): Appliances
- ASTM E-84 Tunnel Test: Construction*
 - Flame Spread Index: 250
 - Smoke Developed Index: 530

*Does not meet any classification as outlined by 2003 International Building Code and NFPA 500

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