

Microsphere Syntactic Foam

Fire Shield LFST - 36P

Technical Data Sheet

Premium Performance

FireShield – LFST is a low-density syntactic material specifically designed to meet the flame, smoke and toxicity requirements of Marine and infrastructure applications. Produced from the most advanced resin and hollow glass microspheres available, the mechanical properties of this flame retardant material make it the ideal solution for challenging engineering projects.

Industry Applications

FireShield – LFST is ideally suited for transportation, off-shore oil and military applications where adherence to fire safety codes are mandatory. FireShield – LFST provides the additional benefit of being water resistant and non-corrosive.

Product Availability

FireShield – LFST is available in sheet form and may be readily used for customer installation.

Standard sheet sizes range from:
0.5" x 24" x 24"
(12.5 x 610 x 610 mm) up to
0.5" x 24" x 48"
(12.5 x 610 x 1220mm).

Custom sizes and coatings are available upon request.

	Density	Compressive		Tensile		Thermal Conductivity
		Strength	Modulus	Strength	Modulus	
	lb/ft ³	psi	ksi	psi	ksi	BTU/hr ft F
Test Method	ASTM D3575	ASTM D695	ASTM D695	ASTM D638	ASTM D638	ASTM D5930
Test Result	36	6,000	320	2,800	270	0.065

Highlights

- Meets flame, smoke and toxicity requirements for building construction
- Provides superior performance at a much lower weight
- Reduces maintenance costs; water resistant and non-corrosive
- Transparent to radio frequency waves
- Installs quickly and is easily modified