

DATA SHEET

Smithers Foams

Benefits:

- Can be molded into different shapes and sizes with ordinary working tools
- Excellent strength to density relationship
- Impressionable foam for medical and packaging applications
- Self-extinguishing and exhibits fire retardant properties
- Excellent as thermal insulation
- Capable of meeting international building regulation requirements
- Non-flammable, but will support combustion by direct contact with open flame or exposure to temperature in the range of 315°C (600°F)
- Can be used as a filter in carbon molecular sieve manufacturing
- Can be carbonized
- ☑ Lightweight and super absorbent leaving less material to remove and dispose

Applications:

- Floral foam
- Dry foam
- Universal and Hazmat absorbent
- Nitrogen filters - separating nitrogen and oxygen
- Sound absorber - reducing reverberation and ambient noise
- Foam insulation
- Molding and milling foam
- Props, 3D signs, sculptures and other shapes by CNC or hand
- Hydroponic growing media for propagation and production
- Packaging foam
- Cold chain packaging to keep sensitive items cold in transit without external refrigeration
- Landscape soil to reduce watering

Smithers phenolic Foam is an expanded foam with controllable cell size. It's a lightweight foam available closed or open cell, different densities, size and shapes for different applications.

SMITHERS FOAMS

Foam Properties for Smithers Foams

	Applications	Compression (PSI)	Density (pcf)	Color
Phenolic Sculpture Foam	Cutting and Carving Molding and Milling	Between 10 – 17	Between 1.0 – 1.7	Salmon and Green
Trymer Sculpture	Cutting and Carving Arts and Crafts	Between 20 – 25	Between 1.0 – 1.7	Brown and Green
Soft Foam	Impressions Packaging Protector	Between 2.3 – 2.5	Between 0.9 – 1.0	Salmon and Blue
High Density Foam	Mold and Milling	Between 30 – 50	Between 3.0 – 6.0	Salmon
Absorbents	Universal Absorbent Oil Only Absorbent Hazmat Absorbent	Between 10 – 17	Between 1.0 – 1.9	Salmon and Green
Floral Foam	Flower Arrangements	Between 10 – 17	Between 1.2 – 1.9	Green
Grower Foam	Seeds, Cuttings and Clone Propagation	Between 3 – 5	Between 0.9 – 1.3	Brown and Grey

Thermal Conductivity: Insulation	W/(m K) Btu/(ft h°F)	More than 0.02 – up to 0.025 More than 0.14 – up to 0.174
Energy	Kj/Kg BTU/Lbs	28,144.6 More than 10,000
Ash content when burned	%	5.04

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FLORAL PRODUCTS

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FOAMS