

Air-Foam

Pourable Foam System

Air-Foam systems are water-blown rigid polyurethane foams designed for molding, void filling, and insulation applications.

The product can be tailored to meet a variety of reactivity requirements without sacrificing product quality.

The unique handling characteristics of the Air-Foam series systems provide ease of mixing by hand and produce uniform product with excellent cell structure.

Key Features & Benefits

- *Excellent buoyancy properties*
- *Fills cracks, voids, and cavities*
- *Improves structural integrity*
- *Thermal insulation*
- *Acoustic damping*
- *Resists absorption of water*
- *Compatible with most polyester, epoxy and vinylester resin systems*
- *Good shelf life, easy to mix, easy to use*
- *Water blown - No CFC blowing agents or ozone depleting chemicals*
- *Available with fire-retardant additives*

Typical Applications

- *Moldings*
- *Structural floats*
- *Void and cavity filling*
- *Acoustic damping*
- *Thermal insulation*



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ADVANCED CORE MATERIALS

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Air-Foam - Mechanical Properties

Property	Units	Test Method	Part A	Part B	System
Viscosity, @ 74° F	CPS	ASTM D-1638	150-200	700-1000	–
Liquid Density lbs/gal	lbs/gal	–	10.24	8.69	–
Density	lbs/ft ³	D-1692	–	–	2-4
Ratio, parts by volume	–	–	1	1	–
Ratio, parts by weight	–	–	50	45	–
Reactivity time @ 74° F	seconds	–	–	–	30-35
Rise time	seconds	–	–	–	60-150
Demold time	minutes	–	–	–	15-20
Expansion ratio	–	–	–	–	20-30
Compressive Strength	–	D-1621	–	–	–
Parallel	psi	–	–	–	40
Perpendicular	psi	–	–	–	35
Tensile Strength	psi	D-1623	–	–	50
Shear Strength	psi	C-273	–	–	30

Storage: Both components must be stored in tightly sealed containers and protected from moisture, at temperatures above 65°F.

Safety & Usage Information: Material Safety Data Sheets are sent with each shipment of Air-Foam. These Material Safety Data Sheets should be read carefully and understood by all personnel who will come in contact with the product before the containers are opened.

If you require additional copies of the Material Safety Data Sheets, please contact Polyumac USA at 305-691-9093.

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