

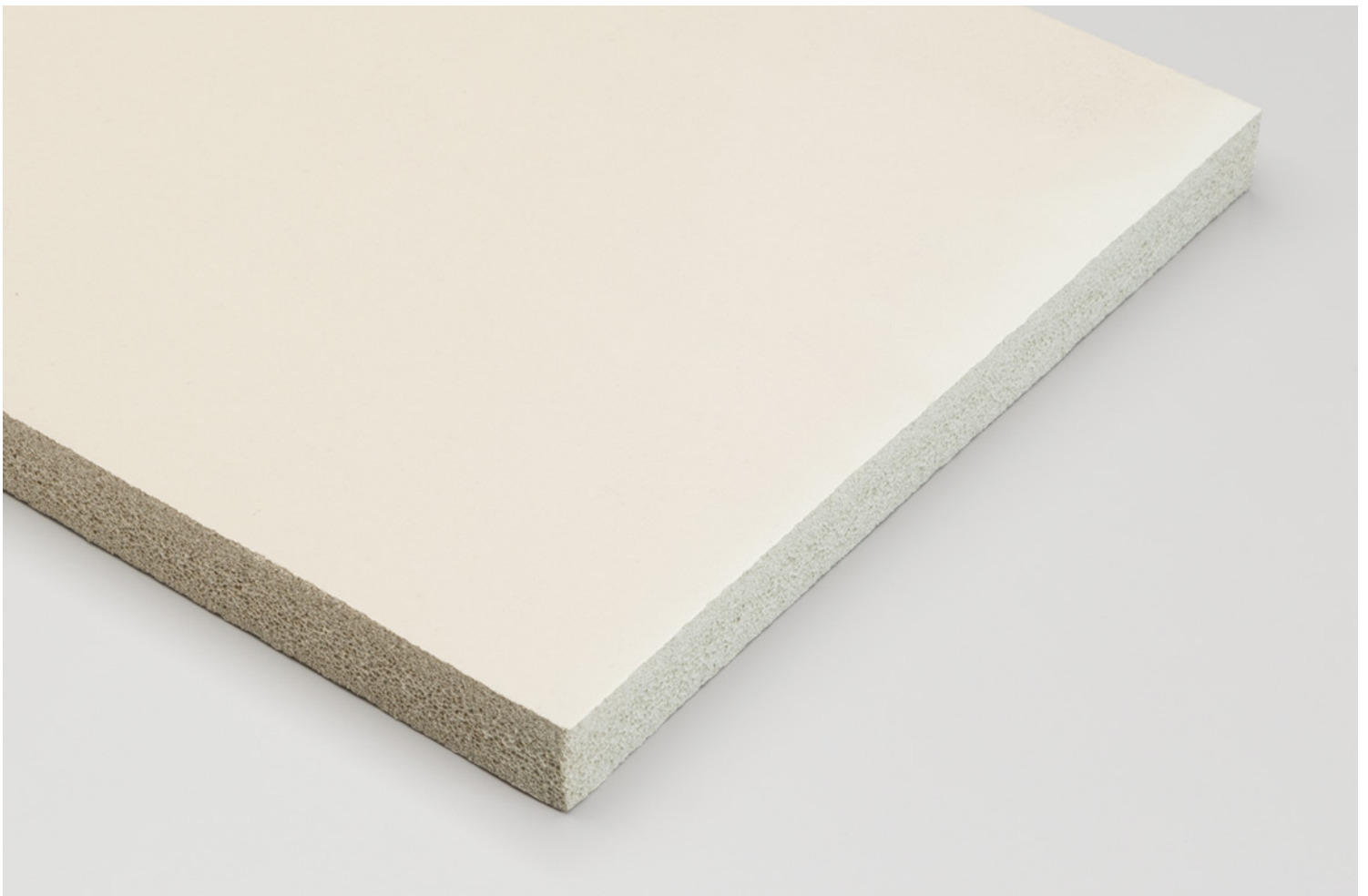


**AEROFLEX™**

White/Gray EPDM Sheet & Roll Insulation

# Aerocel® WG

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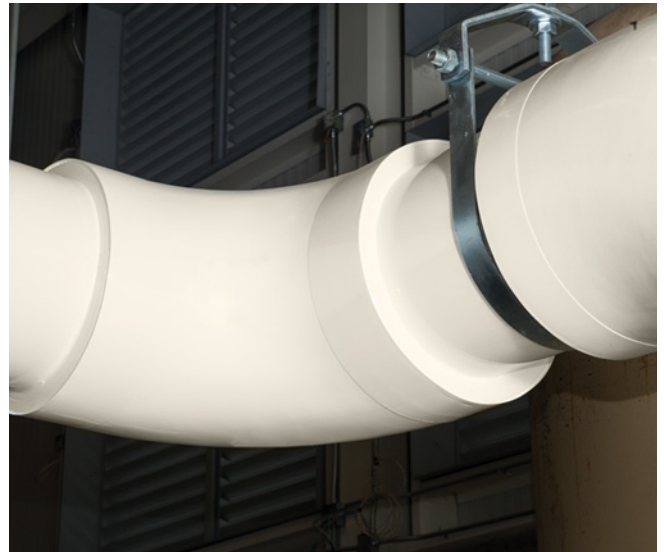
## White/Gray Sheet & Roll Insulation

Duct Systems | Refrigeration Systems  
HVAC | Hot and Cold Water Piping  
Dual Temperature Systems

Closed-cell elastomeric sheet and roll insulation in a white/gray color. Ideal for clean environments or anywhere a lighter color insulation is desired for aesthetics. May be used on large pipes, ducts, tanks, chillers and other mechanical equipment.

Aerocel-WG is manufactured with a proprietary blend of non-polar EPDM-rubber for long-lasting thermal performance and protection against moisture and environmental stresses.

Available with or without pressure-sensitive adhesive backing. Wide range of sizes and thicknesses to meet all your insulation needs! (See back cover.)



### All-inclusive insulation solutions:



#### Protape®

EPDM-based, self-adhering rubber tape for sealing butt joints and termination points.



#### Aeroflex Adhesives

Specially formulated for bonding of Aerocel insulations. Fast tack and LVOC formulations available.

### Perfect for open ceilings & clean environments

White/gray color blends into light-color ceilings

Supports a clean, sterile aesthetic

Built-in vapor retarder - No protective finish or vapor barrier

### Stable, efficient performance

Low thermal conductivity

Non-polar - does not induce or react with water!

Stands up to high humidity

Non-corrosive on copper and stainless steel

Excellent UV resistance

### Safe and quiet

Superior fire safety - 25/50 rated (ASTM E84) and self-extinguishing (ASTM D635)

Exceeds ASTM C 1534 sound absorption criteria when used as a duct liner

GREENGUARD Gold Certified for low chemical emissions (VOCs)

No CFCs, HFCs, HCFCs, PBDEs, formaldehyde, nitrosamine or fibers

Naturally mold-resistant: no biocides required

\*Vapor barrier may be required in extreme low-temperature or extreme high-humidity applications. Protective jacket required for direct-bury applications and if insulation may be subjected to mechanical damage.

**Product:** Closed-cell EPDM (Ethylene Propylene Diene Monomer)-based rubber elastomeric foam insulation for HVAC, plumbing and refrigeration systems.

**Standard Specification:** ASTM C534 Type II Grade 1

**Thermal Conductivity (K) Btu-in/hr-Ft<sup>2</sup> -°F (W/m.K)**

Mean Temperature	K Value	Test Method
75°F (24°C)	0.250 (0.0360)	ASTM C518 /C177
90°F (32°C)	0.260 (0.0375)	

**Physical and Operational Properties**

Property	Test Value/Rating	Test Method
Service Temperature, CONTINUOUS	-297°F to +257°F -183°C to +125°C	ASTM C411 <sup>1</sup>
U.V. Resistance	Minimal Cracking or color change	ASTM G7
Ozone Resistance	No cracking	ASTM D1171
Water Vapor Permeability, Max	0.1 perm-inch (1.45 x 10 <sup>-10</sup> g/Pa.s.m)	ASTM E96
Water Absorption (% by Volume), Max	0.2%	ASTM C209
Fire Safety Characteristics thru 2" thickness	Class V-O	UL 94
	25/50 Self-extinguishing	ASTM E84 ASTM D635
Corrosion of Stainless Steel	Non-corrosive	ASTM C692, DIN 1988
Fungi Resistance	No Growth	ASTM C1318/G21
Mold Resistance	No Growth	UL181 Section 13
Flexibility	Pass	ASTM C534
Air Erosion	Pass	UL181 Section 18

**Additional Approvals, Compliances, Etc.**

ASTM D1056, 2C1	Standard Specification for Flexible Cellular Materials–Sponge or Expanded Rubber (2C1-Closed Cell Rubber, Oil resistant with medium mass change. Compression Deflection of 2 - 5 psi.)
ANSI/ASHRAE/IES Standard 90.1	Energy Standard for Buildings Except Low-Rise Residential Buildings
IECC	International Energy Conservation Code (IECC)
CA Title 24	California Building Energy Efficiency Standards
MEA #171-04-M	City of New York Material and Acceptance Pipe Insulation

**Potential LEED® Credit Contributions**

Energy & Atmosphere (EA)	Prerequisite: Minimum Energy Performance Credit: Optimize Energy Performance
Indoor Environmental Quality (EQ)	Credit: Low-Emitting Materials Credit: Indoor Air Quality Assessment Credit: Thermal Comfort Credit: Acoustic Performance
Innovation (IN)	Credit: Occupant Comfort Survey

<sup>1</sup> AEROCCEL flexibility begins to decrease at -70°F and below. This does not impact the insulating properties of the material.

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**Aerocel® WG WHITE/GRAY SHEET & ROLL R-Values**

<b>Wall Thickness (in inches)</b>	<b>3/8</b>	<b>1/2</b>	<b>5/8</b>	<b>3/4</b>	<b>1</b>
<b>R-value</b>	1.5	2.1	2.5	3.1	4.0

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