



BALDWIN-HILL COMPANY, TRENTON 2, NEW JERSEY

DATA SHEET

Product: Baldwin-Hill Loose Wool (Spun Mineral Wool Fill Insulation)

Description: Long-fibred, spun mineral wool collected as it comes from the fiber-forming process and packed without regard to form or dimension.

Uses: For general use as a hand-packed fill insulation for spaces or irregular shapes, dimensions and contours. Used under metal jackets around vessels with many pipe connections around underground steam and heated pipe lines inside tile conduit, and as expansion joint filler in heated refractory walls - such as those of brick kilns.

Features: Lightweight, maximum packed density 7-9 lb./cu.ft. Resilient, fills spaces completely. Moisture-resistant, fibers not attacked by water. Incombustible, mineral fibers cannot burn.

Technical Data: Suited for heated surfaces up to 1200F and with suitable vapor-barrier for low temperature service to -350F or lower.

Thermal Conductivity:-

<u>Mean Temp - K</u>	
-100F	.19
0F	.23
40F	.26
75F	.30
105F	.32

Chemical Analysis - (approximate)

SiO ₂	-	44%
Al ₂ O ₃	-	11%
CaO	-	29%
MgO	-	6%
FeO	-	10%

Specifications: Federal Specification HH-1-521c - Type II
Commercial Standard CS-117, Loose Wool, Class D
Commercial Standard CS-105, Loose Wool
U. S. Coast Guard, Structural Insulations,
164.007/19/0 (at 11 lb. density)

Packages: Paper bags containing 3.0 (nominal) cubic feet each.

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BALDWIN-HILL COMPANY, TRENTON 2, NEW JERSEY

DATA SHEET

Product: B-H Granulated Wool (Spun Mineral Wool Fill Insulation)

Description: Long-fibered, spun mineral wool collected, nodulated and rolled into granules approximately 1/2 to 1-1/2 inch in diameter.

Uses: General fill insulation for pneumatic application using special blowing machines; also for pouring or hand application. Pneumatic application gives best and most uniform insulating value. Adapted for complete insulation of spaces with irregular shapes or contours, or for application through narrow openings. Used on jacketed vessels, steam-traced or multiple pipe lines in a common casing and enclosures for valves, fittings and pumps.

Features: Light Weight Installed Pneumatically

For heated surface application..... 3- 5 lb./cu. ft.

For cold application (oxygen plant)..... 8-10 lb./cu. ft.

Incombustible, resilient, non-corrosive, water-repellent.

Technical Data: Suited for heated surfaces up to 1200°F and with suitable vapor-barrier for low temperature service to -350°F or lower.

Thermal Conductivity:

Mean Temp - K

-100°F	.19
0°F	.23
40°F	.26
75°F	.30
105°F	.32

Chemical Analysis - (approximate)

SiO ₂	-	44%
Al ₂ O ₃	-	11%
CaO	-	29%
MgO	-	6%
FeO	-	10%

Specifications: Federal Specification - H11-1-521c - Type III
Commercial Standard CS 117 - Granulated Wool - Class D
Commercial Standard CS 105 - Granulated Wool

Packaging: Paper bags containing 3.0 (nominal) cubic feet.

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