

**PLAINTIFF'S
EXHIBIT**

CHV-91

Physical Characteristics

**PABCO
PRECISION MOLDED
SUPER CALTEMP®**

Pipe and Block Insulation Type NA*

Description of Material	Super Caltemp is a reacted hydrous calcium silicate material made using uncalcined diatomaceous earth and lime-blended with reinforcing fibers. It is manufactured under Pabco's unique patented PRECISION MOLDED process, and in simplified thickness standards. *THIS PRODUCT DOES NOT CONTAIN ASBESTOS.				
Uses	Used for heat conservation, personnel protection, and process control in most high temperature applications by the process industries. Can be used individually or as inner or outer layer to form combination insulations.				
Temperature Range	Super Caltemp Pipe and Block Insulations are recommended for temperatures from 100F to 1200F inclusive.				
Thermal Conductivity	Mean Temperature F	"K"			
	100	0.40			
	200	0.43			
	300	0.46			
	400	0.49			
	500	0.55			
	600	0.61			
	700	0.65			
Weight	13 lbs. $\pm$ 1/2 lb. per cubic foot				
Compressive Strength	At 5% deformation—100 p.s.i. average After water soaking 24 hours (while wet), approximately 50% of dry strength.				
Flexural Strength	70 p.s.i. average.				
Linear Shrinkage	24 hour heat soaking period at 1200 F.—1%				
Government and Industry Specifications	Federal Specification Number	Military Specification Number	Qualified Products List	U.S. Coast Guard Number	ASTM Specification Number
Pipe Covering	HH-I-523c 28 Sept. 1966 Type II	MIL-I-2781D Amendment 3 1 March 1971 Grade I, Class b Grade II, Class d Grade III, Class e Type I Type II MIL-I-24244 Amendment 4 9 January 1973	EES-010078 EES-010078 EES-010078 EES-610551	164.009/77/0	C533
Block	HH-I-523c 28 Sept. 1966 Type I	MIL-I-2819E 9 Nov. 1967 Classes 1 & 2 MIL-I-24244 Amendment 3 29 December 1970	EES-610551	164.009/77/0	C533

Figures quoted in respect of the thermo-physical properties of this material represent typical average values derived in accordance with accepted test methods subject to normal experimental tolerances and should not be regarded as constituting a specification.



PABCO

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