T. R. 20853-1
Attachment 5

COMMENTS FROM INSULATION HANDLEABILITY DATA SHEETS MADE OUT BY THE HANDLEABILITY PANEL

Johns Manville Thermobestos

Sample 1 -- 3" x 1" pipe covering

Very little dust.
Rigid.
Does not break when handled.
Strong.
Clean.
Doesn't crumble readily.
Rigid.
Good hinging.

Sample 5 - Johns Manville Block 1-1/2" x 6"

No dust.
Rigid.
Hard.
Cuts good.
Doesn't break when dropped.
Cuts readily.
Very little dust.
Very good hinging.
Doesn't break when dropped.
Hard.
Square edges.
Clean edges.
Good impact resistance.
Good looking.
Saws readily.
Very good dimensions.

Sample 9 - block, 1-1/2" x 12"

Rigid.
Very little dust.
Hard.
Hinges well.
Excellent appearance.
Hard.
No voids.
Square edges.
Good hinging.
Very little dusting.
Beautiful appearance.
Good hinging.
Tough.
Easy to fabricate.
Does not break readily.

Sample 18

No dust.
Rigid.
Good hinging.
Strong.

Sample 20

Hard.
Cuts readily.
Very little dust.
Rigid.
Strong.
Hard and strong.
Free of voids.
Good impact resistance.
Very little dust.
Not crumbly.
Strong.
Fair hinging.

Philip Carey Careytemp

Sample 2 -- 3" x 1" pipe covering

Several were damaged in shipping, ends and edges cracked.

Very dusty.
Cuts very well.
Hinges well.
Crumbles readily.
Reasonably clean.
Cuts well.
Good surface appearance.
Easy to fabricate.
Hinging fair.
Impact resistance poor.
Brittle.
Hard.
Cuts well.
Hinges good.
Edges damaged.
Good appearance.
Good hinging.

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Sample 14 -- 6" x 1" pipe covering

Several pieces broken.
Very dusty.
Good hinging.
Crumbly.
Breaks easily.

Keasbey and Mattison Kaytherm

Sample 3 -- 3" x 1" pipe covering

Several were cracked down center.
Soft.
Very dusty.
Soft but strong.
Cracks easily.
Soft.
Crumbly.
Dirty.
Very dusty.
Good hinging.

Sample 4 -- 1-1/2" x 12" block.

Half of the blocks were cracked or chipped.
Soft.
Very dusty.
Good hinging.
Breaks readily.
Very dusty

Sample 17 -- 10" x 1-1/2" pipe covering.

Very dusty.
Soft.
Badly broken.
Very long fibers.
Cuts poorly.
Dirty.
Sheds.
Feel bothers me.
Breaks readily.
Crumbly.
Dusty.
Good hinging.
Not nice to handle.
Very soft.
Good hinging.
Long fibers.

Sample 22 -- 1-1/2" x 6" block

Very dusty.
Soft.
Several blocks were damaged.
Hinges good due to long fibers.
Very dusty.
Breaks easily.
Cuts poorly.
Dirty.
Crumbly.
Breaks in hand.
Very dirty.
Good hinging.
Dusty.
Soft.

Sample 23 -- 6" x 1" pipe covering.

Very dusty.
All pieces were broken through the middle.
Soft.
Cuts poorly.
Dusty.
Excellent hinging.
Soft.
Dusty.
Breaks readily.
Crumbly.
Good hinging.

Ruberoid Calsilite

1-1/2" x 12" block.

Easy to handle.
Edges chip readily.
Little dusty.
Dusty.
Soft.
Voids on surface.
Cuts easily.
Dirty.
Fabricates well.
Does not break readily.
Cuts well.
Good hinging.
Good hinging.

Sample 27 -- 3" x 1-1/2" pipe covering.

Moderately hard.
Cuts readily.
Easy to work.
Good hinging.
Hard to break.
Dusty.
Hard.
Rigid.

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Fabricates well.
Moderately dusty.
Good hinging.
Good impact resistance.
Long fibers.

Crumbly.
Good surface.
Fair hinging.
Long fibers.
Good appearance.
Fair hinging.
Smooth surface.

Baldwin-Ehret-Hill Thermasil

Sample 7 -- 1-1/2" x 6" block

Rigid.
Very little dust.
Several pieces broken in shipping.
Soft.
Fairly weak.
Poor hinging.
Cuts well.
Good hinging.
Good corners.
Edges crumbly.
Saws readily.
Cuts well.
Good hinging.
Good strength.
Good surface.

Sample No. 8 and 29 -- 3" x 1-1/2" pipe covering

Very little dust.
Soft.
Fairly rigid.
Several pieces broken in shipping.
Very little dust.
Soft.
Dusty.
Moderate impact strength.
Crumbly edges.
Soft.

Sample 15 -- 10" x 1-1/2" pipe covering.

Rigid.
Little dust.
Both pieces cracked.
Soft.
Breaks when dropped.
Crumbles easily.
Excellent hinging.

Sample 19 -- 6" x 1" pipe covering

All pieces were cracked.
Dusty.
Weak.
Little hinging.
Crumbly.
Saws poorly.
Poor hinging.
Smooth surface.

Sample 21 -- 1-1/2" x 12" block.

Rigid.
Full of voids.
Dusty.
Cuts readily.
Dusty.
Good appearance.
Fair hinging.
Air holes.
Not too strong.
Dusty.
Breaks easily.
Good hinging.
Cuts well.
Soft.
Crumbly.
Soft.
Fair hinging.

Sample 26 -- 3" x 1" pipe covering.

Soft.
Not much dust.
Soft.
Moderate impact strength.
Soft.
Breaks but hinges well.
Many voids.
Cuts poorly.
Hinging very good.
Dusty.

C 73

O-CF Kaylo

Sample 10 -- 6" x 1" pipe covering.

Rigid.
Very little dust.
Average strength.
Breaks when dropped.
No hinging.
Voids.
Cuts very well.
Hard.
Clean.
Does not crumble.
Breaks fairly readily on dropping.
Shatters when dropped.
Saws well.
Poor hinging.

Sample 12 -- 1-1/2" x 6" block.

Rigid.
Very little dust.
Hard.
Cuts easily.
Doesn't break when dropped.
Hard.
No hinging.
Good sharp corners.
Little hinging.
Hard.
Cuts well.
Square edges.
No hinging.
Fabricates easily.
Fragile.
No hinging.
Good strength.
Cuts well.
Poor hinging.

Sample 13 -- 3" x 1" pipe covering.

Rigid.
Very little dust.
Hard.
No dust.
Easy to handle.
Clean.
Hard.
No hinging.
Good sawing.
No hinging.
Low impact resistance.
Poor hinging.
Good appearance.
No dust.
Rigid.
Good appearance.
Hard.
Hard.
Clean.
No hinging.
Cuts well.
Shatters when dropped.
Very good strength.
Hinging fair.
Good appearance.
Cuts cleanly.

Union Asbestos and Rubber Co.
Unibestos

Sample 11 -- 6" x 1" pipe covering.

Damages easily.
Very little dust.
Very hard on the outside.
Tough.
Ends mashed.
Tough

Sample 16 -- 10" x 1-1/2" pipe covering.

Rigid.
Very little dust.
Heavy.
Hard to break.
Hard to cut.
No breakage in carton.
Strong.
Tough.
Does not saw readily.
Tough.
Hard to fabricate

Sample 25 -- 3" x 1" pipe covering.

Easy to damage.
No dust.
Soft inside.
Very little breakage.
Excellent hinging.
Hard to cut.

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Fabricates okay.
Does not break.
Can be crumbled in hand.
Tough.
Cuts poorly with saw.
Strong.

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