PLAINTIFF'S
EXHIBIT
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ASBESTOS-FREE GASKETING



Proprietary Information

This is a summary of work done, to date, on developing an asbestos-free gasketing sheet. The major effort is aimed at the higher temperature applications for which asbestos is normally used. Lab work is also in progress making cellulose gasketing, but its application is limited to about 300°F.

Initial work utilized glass and kaolin fibers, but the sheets made had very poor compressibility and recovery characteristics; i.e., the brittle fibers crushed under load.

Current work is concentrated on Spinrock fiber, a proprietary mineral wool product made from diabase rock, in combination with fillers. Some blends examined are:

Fiber	Filler	Binder	Remarks
Newsprint	Pyrophyllite	NBR	Rough, good compressibility - fair-poor recovery.
Spinrock	----	NBR	Low tensile, low density.
Spinrock	Pyrophyllite	NBR	Filler gritty, formation lumpy.
Spinrock	Diatomite	NBR	Low density.
Spinrock	Talc	NBR	Good compressibility & recovery. Moderate tensile.

The last formulation is the best, to date, and is the subject of a patent disclosure now in preparation.

A major customer, Fel-Pro, has told us they intend to discontinue purchasing asbestos/asphalt gasketing from us after 1979. It is thought that the latest asbestos-free formulations may meet their requirements.

Samples of the two flooring felts made at SUNY, Syracuse, on April 4-5 are being tested as gasketing as well.

V. R. Canfield

VRC:gs