PLAINTIFF'S EXHIBIT
CRA-83

CRANE CO.

ENGINEERING PURCHASE SPECIFICATION
ENGINEERING DIVISION

March 17, 1972

Engineering Purchase Specification No. WO-

SHEET PACKING

1.0 SCOPE

Requirements for compressed asbestos sheet packing for use as gaskets in pressure-piping systems are described in this specification.

2.0 MATERIAL

This packing shall consist of asbestos fiber, styrene-butadine copolymer binder, and compounding ingredients combined and processed to give an acceptable product conforming to this specification.

3.0 REQUIREMENTS

3.1 This material shall be suitable for use with steam, gases, mild acids, petroleum oils and alkalies. It should withstand temperatures to 750°F and have a minimum temperature x pressure factor of 250,000.

3.2 Underwriters' Laboratory approval is required for this packing. This company must be immediately notified of any material changes that would negate this approval.

3.3 The material shall have an anticipated shelf life of 5 years.

4.0 PROPERTIES

4.1 This packing shall have a minimum tensile strength of 2000 psi when tested perpendicular to the grain. The test shall be made according to ASTM F39-59 procedures.

4.2 A compressibility of 7-17% with a minimum recovery of 40% is required when tested at 5000 psi according to ASTM F36-66 procedures.

5.0 DIMENSIONAL TOLERANCES

The thickness of the sheets shall be within the following tolerances:

Thickness	Tolerance
1/64" through 1/32"	±.005"
1/16" through 3/32"	±.008"
1/8" and over	±.010"

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PLAINTIFF'S EXHIBIT
CRA-83

ENGINEERING PURCHASE SPECIFICATION
ENGINEERING DIVISION

March 17, 1972

Engineering Purchase Specification No. WQ-

SHEET PACKING

1.0 SCOPE

Requirements for compressed asbestos sheet packing for use as gaskets in pressure-piping systems are described in this specification.

2.0 MATERIAL

This packing shall consist of asbestos fiber, styrene-butadine copolymer binder, and compounding ingredients combined and processed to give an acceptable product conforming to this specification.

3.0 REQUIREMENTS

3.1 This material shall be suitable for use with steam, gases, mild acids, petroleum oils and alkalies. It should withstand temperatures to 750°F and have a minimum temperature x pressure factor of 250,000.

3.2 Underwriters' Laboratory approval is required for this packing. This company must be immediately notified of any material changes that would negate this approval.

3.3 The material shall have an anticipated shelf life of 5 years.

4.0 PROPERTIES

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4.2 A compressibility of 7-17% with a minimum recovery of 40% is required when tested at 5000 psi according to ASTM F36-66 procedures.

5.0 DIMENSIONAL TOLERANCES

The thickness of the sheets shall be within the following tolerances:

Thickness	Tolerance
1/64" through 1/32"	±.005"
1/16" through 3/32"	±.008"
1/8" and over	±.010"

- continued -

ENGINEERING PURCHASE SPECIFICATION
ENGINEERING DIVISION

March 17, 1972

Engineering Purchase Specification No. EQ-

SHEET PACKING

1.0 SCOPE

Requirements for compressed asbestos sheet packing for use as gaskets in pressure-piping systems are described in this specification.

2.0 MATERIAL

This packing shall consist of asbestos fiber, styrene-butadine copolymer binder, and compounding ingredients combined and processed to give an acceptable product conforming to this specification.

3.0 REQUIREMENTS

3.1 This material shall be suitable for use with steam, gases, mild acids, petroleum oils and alkalies. It should withstand temperatures to 750°F and have a minimum temperature x pressure factor of 250,000.

3.2 Underwriters' Laboratory approval is required for this packing. This company must be immediately notified of any material changes that would negate this approval.

3.3 The material shall have an anticipated shelf life of 5 years.

4.0 PROPERTIES

4.1 This packing shall have a minimum tensile strength of 2000 psi when tested perpendicular to the grain. The test shall be made according to ASTM F39-59 procedures.

4.2 A compressibility of 7-17% with a minimum recovery of 40% is required when tested at 5000 psi according to ASTM F36-66 procedures.

5.0 DIMENSIONAL TOLERANCES

The thickness of the sheets shall be within the following tolerances:

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