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Ceramic Fiber Papers

Armil/CFS ceramic fiber papers are light weight, flexible insulation products for applications up to 2600°F. Ceramic fiber papers have excellent chemical stability, resisting most corrosive elements. Exceptions are hydrofluoric and phosphoric acids, and concentrated alkalis. Fiberfrax papers will generate small amounts of outgassing upon initial exposure to temperatures above 450°F.

Typical applications include

- Refractory backup
- Appliance insulation
- Ware separator
- Mold Wrap
- High temp gasketing
- Expansion joints
- Thermal insulation
- High temperature parting agent
- Die cut parts



Paper type	Fiberfrax 440 Paper	Fiberfrax 550 Paper	Fiberfrax 880 Paper	Fiberfrax 970 Paper	Rollboard
Density	13 pcf	12 pcf	18 pcf	10 pcf	10 pcf
Temperature Grade	1600°F	2300°F	2600°F	2300°F	2300°F
Operating Temp	1300°F	2000°F	2100°F	2000°F	2000°F
Melting Point	1800°F	3260°F	3500°F	3260°F	3200°F
Fiber Index	na	50%	45%	70%	40%
Tensile Strength As manufactured	86psi	102psi	136psi	94psi	58 psi
Burst Strength As manufactured	45psi	19psi	25psi	37psi	22 psi
LOI (% by weight)	9.5%	6.5%	8.0%	7.0%	3%
Composition	32-35% Al ₂ O ₃ 42-46% SiO ₂ <2% Na ₂ O ₃ <2% Fe ₂ O ₃	47-52% Al ₂ O ₃ 48-53% SiO ₂ <0.5% Na ₂ O ₃ <0.5% Fe ₂ O ₃	58-60% Al ₂ O ₃ 44-42% SiO ₂ <0.3% Na ₂ O ₃ <0.1% Fe ₂ O ₃	47-52% Al ₂ O ₃ 48-53% SiO ₂ <0.5% Na ₂ O ₃ <0.5% Fe ₂ O ₃	47-52% Al ₂ O ₃ 48-53% SiO ₂ <0.5% Na ₂ O ₃ <0.5% Fe ₂ O ₃
Available Thicknesses	1/16", 1/8"	1/16", 1/8", 1/4"	1/16", 1/8"	1/32", 1/16", 1/8"	.110", 1/8"

Note: 970 series and 880 series papers are also available heat treated to remove organic binders

This information, which is subject to change, is offered solely for your consideration and is not a warranty or representation for which we assume legal responsibility.