

Introducing Our New Name
SAINT-GOBAIN
PERFORMANCE PLASTICS

Zitex[®]

A

Manufactured by a unique patented process which produces pure PTFE replicas of various media, Zitex A is available in a number of various filter porosities and thicknesses. It is commonly supplied in 12" wide rolls with continuous lengths up to 100 ft. long. Zitex A can withstand severely corrosive conditions at temperatures as high as +550°F (+288°C) and as low as -450°F (-268°C).

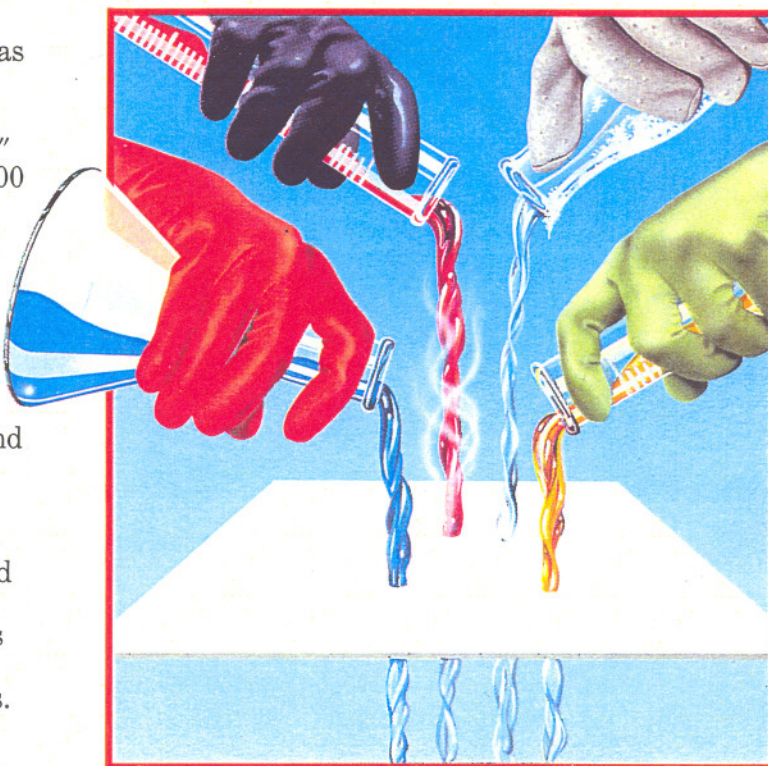
This type of temperature range makes it ideal for use in solving a variety of engineering problems in the chemical, electrical, packaging, filtration, medical and aerospace industries.

Pore Geometry

Zitex A filter membranes are reproductions of standard filter papers and consequently have the same tortuous, fibrous filter paths. The membranes act as "depth filters" with high retention efficiency and non-clogging characteristics.

Unlike cellulose filter paper, however, the PTFE interstices are bonded together resulting in a pore size stability which allows Zitex to also act as an "absolute" filter. Because of this unique combination of "depth" and "screen" filtering ability, Zitex is a more effective membrane filter medium.

Through extensive testing, Norton has also determined that Zitex membranes have a better controlled pore size distribution than other high-temperature, chemically resistant membranes with similar pore size ratings. This results from the unique Norton manufacturing methods employed and from the superior properties of PTFE.



Zitex[®] . . . Norton Co. Reg. TM

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Saint-Gobain Performance Plastics
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Zitex[®] A Properties

Non-Contaminating

Will not introduce foreign substances into experiments or distort results.

Non-Flammable

Will not support combustion in a normal atmosphere.

Excellent Filter Cake Release

Has superior cake release properties because of the non-stick properties of PTFE.

Self Gasketing

When clamped between solid flanges, "Zitex" compacts to form its own gasket.

Resistant to Fungi or Bacterial Growth

Contains no materials to support growth of fungi or microbes.

Very Low Dielectric Constant

Acts as an "Air-PTFE" dielectric.

Heat Sealable

Will heat seal to itself.

SPECIFICATIONS AND PROPERTIES

PROPERTIES OF TYPICAL A-100 SERIES "ZITEX" MEMBRANES

Catalog Number	Type (Ref.)	Maximum Functional Pore Size (microns)	Thickness		Flow Rates			Initiation Pressure ⁽³⁾ for Water		Ethanol Bubble Point		Breaking Strength lbs/inch width	Approx. Weight lbs/ft ²	Approx. Pore Volume %
					Water ⁽¹⁾		Air ⁽²⁾							
			mils	mm	A	B	secs	lbs/sq in	kg/cm ²	lbs/in ²	atm			
A-105	K1064-122D	30-60	7.5	.20	300-450	1200-1800	.04-.10	.18-.36	.01-.03	.10-.20	.007-.014	.7-1.4	.02	75
A-110	E846B-122D	30-60	2.5	.06	185-230	750-920	.10-.20	.30-.60	.02-.04	.12-.24	.008-.016	.3-.6	.01	65
A-115	K1064-122	30-60	19.0	.48	60-90	240-360	.20-.45	.30-.55	.02-.04	.12-.27	.008-.018	2.1-4.2	.06	70
A-120	HV100-122	30-60	5.0	.13	85-125	340-600	.20-.50	.30-.70	.02-.05	.19-.30	.013-.020	.4-.8	.02	65
A-125	K1064-222 (12-110)	30-60	25.0	.64	55-75	220-300	.25-.40	.40-.55	.03-.04	.15-.22	.010-.015	3.8-4.8	.07	75
A-130	K1064-322	30-60	26.0	.66	25-35	100-140	.60-1.70	.25-.50	.02-.04	.15-.25	.010-.017	3.4-6.8	.11	60
A-135	E846B-122	20-30	5.0	.13	110-155	440-620	.40-.70	.60-1.20	.04-.08	.25-.40	.017-.027	.9-1.2	.02	65
A-140	H662-123	10-20	8.0	.20	80-110	320-440	.70-1.70	.80-1.60	.06-.11	.35-.50	.024-.034	.9-1.8	.03	65
A-145	E249-122	10-20	4.5	.13	30-80	120-320	1.50-2.50	.90-1.80	.06-.13	0.40-0.70	.027-.048	.7-1.3	.02	65
A-150	E606-122	5-10	6.0	.14	11-26	44-106	4.50-7.50	1.30-2.60	.09-.18	0.70-1.10	.048-.075	.6-1.2	.02	65
A-155	E606-223	2-5	7.0	.18	2-5	8-20	20.0-90.0	1.80-3.60	.13-.25	1.00-1.40	.068-.100	1.4-2.8	.03	60

Data shown are representative and not to be used as material specifications.

(1) A = Gallons/minute/ft² @ 13.5 psi B = Ml/minute/cm² @ 70 cmHg.

(2) Time required for 100cc to pass through 1 square inch @ ΔP 176 psi (Gurley test).

(3) Pressure differential necessary to overcome hydrophobic and internal resistance.



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