Levitt Safety

CHEMICAL GUARDIAN

April 10, 2019

Ansell

Legend

Permeation Breakthrough Times (min)	
<10	Not Recommended
10-30	Splash Protection
30-60	Splash Protection
60-120	Medium Protection
120-240	Medium Protection
240-480	Good Protection
>480	Good Protection

Permeation breakthrough times evaluate the time necessary for a chemical to pass through a glove material.

Disclaimer

Recommendations are based on extrapolations from laboratory test results and information regarding the composition of chemicals and may not adequately represent specific conditions of end use. Synergistic effects of mixing chemicals have not been accounted for. For these reasons, and because Ansell has no detailed knowledge of or control over the conditions of end use, any recommendation must be advisory only and Ansell fully disclaims any liability including warranties related to any statement contained herein.

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Permeation Breakthrough Times

The permeation breakthrough times present in this chart were evaluated according to the ASTM F739 standard.

Material				Butyl	LLDPE	Neoprene	Nitrile	Nitrile	Nitrile	Nitrile	Nitrile	PVA	PVC
Thickness (mm)				0.35	0.062	N.A.	0.12	0.12	0.14	0.19	0.38	N.A.	N.A.
Product Name / Style				ChemTek	Barrier	Scorpio	MICROFLEX®	TouchNTuff®	MICROFLEX®	MICROFLEX®	AlphaTec® Solvex®	PVA	Snorkel
Type	CAS	Chemical name	%	38-514	02-100	08-352.354	93-850	92-500.600.605 / 93-250.300.700	93-853 Supreno EC	93-260.360	37-675.676	15-554	04-414
mix		BIO CIRCLE L Ultra		240-480'	>480'	240-480'	<10'	<10'	<10'	60-120'	240-480'	<10'	60-120'
mix		Break Through		<10'	>480'	60-120'	240-480'	240-480'	30-60'	>480'	>480'	>480'	10-30'

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Permeation Breakthrough Times

The permeation breakthrough times present in this chart were evaluated according to the ASTM F739 standard.

Material	Viton Butyl
Thickness (mm)	0.2
Product Name / Style	ChemTek

Type	CAS	Chemical name	%	38-612
mix		BIO CIRCLE L Ultra		>480'
mix		Break Through		>480'