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CHEMICAL GUARDIAN

December 19, 2017

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

Degradation Ratings	
DD	Delamination of outer layer
NR	Not Recommended
P	Poor
F	Fair
G	Good
E	Excellent

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

Degradation ratings evaluate the amount of change a glove material will suffer due to contact with a chemical.

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.

Combined Chart

The permeation breakthrough times present in this chart were evaluated according to the ASTM F739 standard. The letters used in this chart correspond to the degradation ratings whereas the colors represent the permeation breakthrough time levels (see legend page for more information).

Material					Butyl	Natural Rubber	Natural Rubber	Neoprene	Neoprene	Nitrile	Nitrile	Nitrile/Neoprene	PVA
Thickness (mm)					N.A.	0.18	0.18	0.13	N.A.	0.12	0.38		N.A.
Product Name / Style				Conform	ChemTek	AccuTech111	AccuTech111	NeoTouch	Scorpio	TouchNTuff	Solvex	Microflex	PVA
Type	CAS	Chemical name	%	02-100	38-514	91-225.325	91-300	25-101.201	08-352.354	92-500.600.605 / 93-250.300.700	37-675.676	93-260	15-554
mix		A 188-4											

Combined Chart

The permeation breakthrough times present in this chart were evaluated according to the ASTM F739 standard. The letters used in this chart correspond to the degradation ratings whereas the colors represent the permeation breakthrough time levels (see legend page for more information).

Material				PVC	Viton Butyl
Thickness (mm)				N.A.	0.7
Product Name / Style				Snorkel	ChemTek
Type	CAS	Chemical name	%	04-414	38-628
mix		A 188-4			

Permeation Breakthrough Times

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

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mix		A 188-4		>480'	60-120'	<10'	<10'	<10'	<10'	<10'	<10'	<10'	60-120'

Permeation Breakthrough Times

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

Material				PVC	Viton Butyl
Thickness (mm)				N.A.	0.7
Product Name / Style				Snorkel	ChemTek
Type	CAS	Chemical name	%	04-414	38-628
mix		A 188-4		<10'	240-480'

Degradation Ratings

Material					Butyl	Natural Rubber	Natural Rubber	Neoprene	Neoprene	Nitrile	Nitrile	Nitrile/Neoprene	PVA
Thickness (mm)					N.A.	0.18	0.18	0.13	N.A.	0.12	0.38		N.A.
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Degradation Ratings

Material				PVC	Viton Butyl
Thickness (mm)				N.A.	0.7
Product Name / Style				Snorkel	ChemTek
Type	CAS	Chemical name	%	04-414	38-628
mix		A 188-4			

FAQHP00004

FAQHP00007

FAQHP00034

FAQHP00001