Permeation Breakthrough Times

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

Material				LLDPE	Natural Rubber/ Neoprene	Neoprene	Nitrile	Nitrile	Nitrile	Nitrile	Nitrile	Nitrile/Neoprene	PVA
Thickness (mm)				0.062	0.68	N.A.	0.11	0.12	N.A.	N.A.	N.A.	0.19	N.A.
Product Name / Style				Barrier	ChemiPro	Scorpio	TouchNTuff	TouchNTuff	AlphaTec	AlphaTec	AlphaTec	Microflex	PVA
Type	CAS	Chemical name	%	02-100	ChemiPro	08-352.354	92-670.665	92-500.600.605 / 93-250.300.700	58-330	58-335	58-430	93-260	15-554
sgl	108-88-3	Toluene	100	>480'	<10'	<10'	<10'	<10'	10-30'	10-30'	10-30'	6'	>480'
sgl	109-89-7	Diethylamine	100	>480'	<10'	<10'	<10'	<10'	10-30'	10-30'	10-30'	6'	<10'
sgl	109-99-9	Tetrahydrofuran	100	>480'	<10'	<10'	<10'	<10'	<10'	10-30'	<10'	2'	115'
sgl	110-54-3	n-Hexane	100	>480'	43'	30-60'	240-480'	>480'	>480'	>480'	>480'	>480'	>360'
sgl	1310-73-2	Sodium Hydroxide	40	>480'	>480'	>480'	>480'	>480'	>480'	>480'	>480'	>480'	<10'
sgl	141-78-6	Ethyl acetate	100	>480'	<10'	10-30'	<10'	<10'	10-30'	10-30'	10-30'	4'	>360'
sgl	67-56-1	Methyl alcohol	20	>480'	240-480'	>480'	240-480'	240-480'	>480'	>480'	>480'	>480'	<10'
sgl	67-64-1	Acetone	100	>480'	12'	<10'	<10'	<10'	<10'	<10'	<10'	3'	143'
sgl	75-05-8	Acetonitrile	100	>480'	13'	10-30'	<10'	<10'	<10'	10-30'	<10'	5'	150'
sgl	75-09-2	Methylene chloride	100	20'	<10'	<10'	<10'	<10'	<10'	<10'	<10'	1'	60-120'
sgl	75-15-0	Carbon disulfide	100	>480'	<10'	<10'	<10'	<10'	10-30'	10-30'	10-30'	1'	>360'
sgl	7664-93-9	Sulphuric acid	49	>480'	>360'	>480'	>480'	>480'	>480'	>480'	>480'	>480'	<10'