

## DuPont™ Tychem® Permeation Database

**DuPont™ Tychem® Polycoat**

Permeation Data (ASTM F739)

Effective January 2003

Class	Sub-Class	Chemical Name	CAS	Phase	PolyCoat	
					SBT <sup>1</sup> (minutes)	APR <sup>2</sup> (µg/cm <sup>2</sup> /min)
100	102	Acetic acid	64-19-7	L	>480	<0.1
390	391	Acetone	67-64-1	L	imm.	7
500	502	Carbon disulfide	75-15-0	L	imm.	5000
330 / 350	330 / 350	Chlorine, 20 ppm	7782-50-5	L	>480	<0.1
100	103	Chloroacetic acid, 75%-80%	79-11-8	L	>480	<0.1
370	370	Chromic acid, 60-62%	1333-82-0	L	>480	<0.1
140	142	Diethylamine	109-89-7	L	15	53
130	132	N,N-Dimethylformamide	68-12-2	L	112	0.3
220	222	Ethyl acetate	141-78-6	L	imm.	5
310	314	Ethylene glycol	107-21-1	L	>480	<0.1
120	121	Formalin (Formaldehyde 37%)	50-00-0	L	>480	<0.1
120	121	Gluteraldehyde, 5% aqueous sol.	111-30-8	L	>480	<0.1
300	300	Hydrogen peroxide, 30%	7722-84-1	L	>480	<0.1
310	311	Methanol	67-56-1	L	imm.	0.52
440	441	Nitrobenzene	98-95-3	L	12	0.32
370	370	Phosphoric acid, 85%	7664-38-2	L	>480	<0.1
345	345	Potassium cyanide	151-50-8	L	>480	<0.1
380	380	Sodium hydroxide, 50%	1310-73-2	L	>480	<0.1
340	340	Sodium hypochlorite, 5.25%	7681-52-9	L	>480	<0.1
370	370	Sulfuric acid	7664-93-9	L	>480	<0.1
260	264	1,1,2,2-Tetrachloroethylene	127-18-4	L	imm.	368
240	241	Tetrahydrofuran	109-99-9	L	imm.	126
290	292	Toluene	108-88-3	L	imm.	104

&gt; = greater than      &lt; = less than      L = liquid

<sup>1</sup>Standardized Breakthrough Time<sup>2</sup>Average Permeation Rate