



Chemical Compatibility Guide for: Kappler® Chem Tape™

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Chem-Tape® Permeation Test Data

| Chemical Name | Concentration | Breakthrough Time | Permeation Rate | SDL |
|------------------------------|---------------|-------------------|---------------------------|-------|
| | (%) | Normalized (min) | (ug/cm ² /min) | (ppm) |
| ACETONE | 100 | >480 | ND* | 0.020 |
| ACETONITRILE | 100 | >480 | ND* | 0.020 |
| AMMONIA GAS | 100 | >480 | ND* | 0.500 |
| AMMONIA LIQUID | 100 | >480 | ND* | 0.500 |
| CARBON DISULFIDE | 99 | >480 | ND* | 0.100 |
| CHLORINE GAS | 99 | >480 | ND* | 0.050 |
| CHLORINE LIQUID | 99 | >480 | ND* | 0.050 |
| DICHLOROMETHANE | 100 | >480 | ND* | 0.020 |
| DIETHYLAMINE | 100 | 160 | 7.22 | 0.020 |
| DIMETHYLFORMAMIDE N,N- | 100 | >480 | ND* | 0.020 |
| HEXANE n- | 100 | >480 | ND* | 0.020 |
| HYDROFLUORIC ACID | 48-51 | >480 | ND* | 0.100 |
| METHANOL | 100 | >480 | ND* | 0.020 |
| MUSTARD (HD) CHEMICAL AGENT | 99 | >480 | N/A | N/A |
| NERVE (VX) CHEMICAL AGENT | 99 | >480 | N/A | N/A |
| NITRIC ACID | 70 | >480 | ND* | 0.025 |
| NITROBENZENE | 100 | >480 | ND* | 0.020 |
| SARIN (GB) CHEMICAL AGENT | 99 | >480 | N/A | N/A |
| SODIUM HYDROXIDE | 50 | >480 | ND* | 0.050 |
| SOMAN (GD) CHEMICAL AGENT | 99 | >480 | N/A | N/A |
| SULFURIC ACID | 96 | >480 | ND* | 0.050 |
| TETRACHLOROETHYLENE 1,1,2,2- | 100 | >480 | ND* | 0.020 |
| TETRAHYDROFURAN | 100 | >480 | ND* | 0.020 |
| TOLUENE | 99 | >480 | ND* | 0.020 |