



TECHNICAL

4835 Darrow Road
Stow, Ohio 44224-1431
Phone: 330/342-9800
Fax: 330/342-9877
www.oakgloves.com

CHEMRESISTTM

This Chemical Degradation chart is provided as an aid in determining the general suitability of Oak Technical ChemResist gloves **IN AN IMMERSION SITUATION** with each chemical listed. Since the actual use of the gloves may differ in suitability for each specific job, it is suggested that the purchaser evaluate the gloves for the specific application intended.

| Chemical | D | BT | PR | Chemical | D | BT | PR | Chemical | D | BT | PR |
|------------------------------|----|----------|-------|------------------------|---|----------|-------|----------------------|---|----------|------|
| Acetic Acid, Glacial | F | 15 Mmin. | 0.39 | Ethyl Lactate | G | 78 min. | 1.07 | Nitrobenzene | P | 7 min. | 8.5 |
| Acetone (Dimethyl Ketone) | F | 10 min. | 14.2 | Ethylene Glycol | P | 4 min. | 0.28 | Nitro Methane | P | 7 min. | 2.83 |
| Ammonium Fluoride 40% | E | >8 hrs. | ND | Freon TMC | P | 2 min. | 0.818 | Nitropropane | P | 13 min. | 17.8 |
| Ammonium Hydroxide 29% | G | 35 min. | 0.15 | Glacial Acetic Acid | F | 18 | 0.394 | Oleic Acid | F | 3.2 hrs. | 0.08 |
| Agua Regia | P | > 8 hrs. | ND | Hexamethyldisilazane | F | 23 min. | 3.7 | Oxide Etch | E | >8 hrs. | ND |
| Baker PRRS 1000 | E | 160 min. | 0.1 | Hydrochloric Acid 37% | E | >6 hrs. | ND | Phenol 85% | F | 2.7 hrs. | 5.43 |
| Baker PRRS 3000 | E | 5 hrs. | 0.08 | Hydrofluoric Acid 48% | E | >8 hrs. | ND | Phosphoric Acid 85% | E | >8 hrs. | ND |
| Butyl Acetate | NR | | | Hydrogen Peroxide 30% | E | >8 hrs. | ND | Slope Etch | E | >6 hrs. | ND |
| Butyl Cellosolve | F | 23 min. | 75 | Isopropyl Alcohol | F | 35 min. | 0.22 | Sodium Hydroxide 50% | E | >6 hrs. | ND |
| Chromic Acid 50% | P | 45 min. | >17 | KTI Silicon Etch | G | 32 min. | 0.43 | Sulfuric Acid 50% | E | >6 hrs. | ND |
| Citric Acid 67% | E | >360 | N/A | KTI Pad Etch | G | 45 min. | 0.02 | Sulfuric Acid 96% | F | 1.6 hrs. | 0.23 |
| Dichromate Cleaning Solution | E | 3.5 hrs. | 0.23 | Methanol | G | 15 min. | 0.35 | Tetrahydrofuran | P | 5 min. | 360 |
| Dynasolve 180 | G | 65 min. | 21.3 | Methyl Cellosolve | E | 45 min. | 0.56 | Toluene | P | 3 min. | 82.2 |
| Dynasolve MP750 | G | 41 min. | 0.782 | n-Methyl-2-Pyrrolidone | G | 1.3 hrs. | 3.14 | Trichloroethylene | P | 4 min. | 894 |
| Ethyl 3-ethoxypropionate | F | 12 min. | 34.5 | Nitric Acid | E | >6 hrs. | ND | | | | |

Degradation Key(D):
E=Excellent
G=Good
F=Fair
P=Poor
NR=Not Recommended

Permeation:
E=>4 HRS
G=1 - 4 HRS
F=30 min.-1HR
P=<30 min.

PR - Permeation Rate
ND - None Detected - Recommended for Normal Use
NR - Not Recommended - Can be used with Caution
NT - Not Tested - Not Recommended
BT - Breakthrough Time