



CHEMICAL RESISTANCE GUIDE: FILTER MEDIA

| FILTER MEDIA | CORE MATERIAL |
|--|-------------------------|
| B - Natural Cotton | A - 304 Stainless Steel |
| C - Bleached Cotton ^{1,2} | S - 316 Stainless Steel |
| G - Glass Fiber | T - Tinned Steel |
| H - Hi Perf | U - Polypropylene |
| K - Polyester (Dacron®) | |
| N - Nylon | |
| O - Acrylic (Orlon®) | |
| P - Polypropylene, Fibrillated ^{1,2} | |
| R - Rayon | |
| U - Polypropylene | |
| W - Polypropylene ¹ , Potable Water | |

| NUMERICAL EXPONENTS INDICATE THE FOLLOWING CONCENTRATIONS | | | |
|---|-----|-----|----------|
| 1: | 1% | 7: | 50% |
| 2: | 5% | 8: | 5 to 80% |
| 3: | 10% | 9: | 80% |
| 4: | 20% | 10: | Dilute |
| 5: | 30% | 11: | 96% |
| 6: | 40% | 12: | Fuming |

¹ Meets FDA regulations for potable water
² Free of "sizing" and yarn "finish" substances

OK - Acceptable to use media to its maximum recommended operating temperature.
Number - Maximum recommended operating temperature (°F)
NR - Not recommended

| | B & C | | G | | H | | K | | N | | O | | P, U & W | | R | |
|-----------------------|------------------|------------|-------|------|------------------|------------|------------------|-----------|------------------|------------|-----------------|------------|------------------|------------|------------------|----------|
| | Media | Core | Media | Core | Media | Core | Media | Core | Media | Core | Media | Core | Media | Core | Media | Core |
| Acetaldehyde | 200 | S,A | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Acetic Acid, 20% | 85 | 135U,S,A | OK | S | 100 ⁸ | 100U,S,A | 200 ² | 140U,S,A | - | - | OK ⁸ | 130U,S,A | OK | 135U,S,A | OK ² | 135U,S |
| Acetic Acid, Glacial | 70 | 135U,S,A | OK | S | 70 | 70U,S,A | 200 | 140U,S,A | - | - | OK | 130U,S,A | 150 | 135U,S,A | 70 | 70U,S,T |
| Acetic Anhydride | NR | NR | - | - | NR | NR | NR | NR | 65 | - | NR | NR | 70 | 135U,S,A,T | - | - |
| Acetone | OK | 80U,S,A,T | OK | S | NR | NR | OK | 80U,S,A,T | OK | 65U,S,A,T | OK | S,A,T | 70 | 70U,S,A,T | OK | S,A,T |
| Aluminum Chloride | 130 ² | 130U,S,A | - | - | 70 ² | 70U,S,A | 70 ² | 70U,S,A | 65 ³ | 80U,S,A,T | 70 ² | 70U,S,A | 195 ² | 135U,S,A | 130 ² | 130U,S,A |
| Aluminum Fluoride | NR ² | NR | - | - | - | - | NR ² | NR | 65 ³ | 65U,S,A | - | - | 135 ² | 135U | - | - |
| Aluminum Sulfate | 70 | 70U,S,A | - | - | NR | NR | 65 | 65U,S,A | 65 | 65U | 70 | 70U,S,A | 17 ² | 135U,S,A | NR ³ | NR |
| Ammonia, Aqueous | NR | NR | NR | NR | NR | NR | - | - | - | 65U,S,A | 100 | S,A,T | - | - | - | - |
| Ammonium Carbonate | OK ³ | 140U,S,A | - | - | - | - | - | - | 120 ³ | - | - | - | OK ³ | 135U,S,A | - | - |
| Ammonium Chloride | - | - | - | - | - | - | 70 ³ | 70U | NR ³ | 120U,S,A | - | - | 135 ³ | 135U | - | - |
| Ammonium Hydroxide | 100 ⁵ | 100U,S,A | NR | NR | - | - | 65 ⁵ | 65U,S,A | 100 ⁵ | NR | - | - | 195 ⁵ | 135U,S,A | 70 | 70U,S,A |
| Ammonium Nitrate | 100 ² | 100U,S,A | - | - | OK ² | 140U,S,A,T | 65 | 65U,S,A,T | OK ² | 100U,S,A | OK ² | 140U,S,A,T | OK ² | 135U,S,A,T | 100 ² | S,A,T |
| Ammonium Phosphate | - | - | - | - | - | - | 65 | 65U,S,A | NR | 130U,S,A,T | - | - | 135 | 135U,S,A | - | - |
| Ammonium Sulfate | - | - | - | - | - | - | 65 ² | 65U,S,A,T | 195 ² | NR | - | - | OK ² | 195U,S,A,T | - | - |
| Amyl Acetate | 200 | S,A,T | - | - | 70 | S,A,T | NR | NR | 65 | S,A,T | 70 | S,A,T | NR | NR | OK | S,A |
| Amyl Alcohol | 200 | S,A,T | - | - | - | - | 65 | S,A,T | 195 | S,A,T | - | - | 65 | S,A,T | OK | S,A,T |
| Aniline | - | - | - | - | - | - | NR | NR | 65 | S,A,T | - | - | 175 | S,A,T | - | - |
| Aqua Regia | NR | NR | - | - | - | - | NR | NR | NR | S,A,T | - | - | 70 | 70U | - | - |
| Arsenic Acid | NR | NR | OK | S | 100 | 100U,S,A | NR | NR | NR | NR | 70 | 70U,S,A | OK | 95U,S,A | - | - |
| Barium Hydroxide | - | - | - | - | - | - | - | - | NR | - | - | - | - | - | - | - |
| Barium Chloride | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Barium Sulfate | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzaldehyde | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzene (benzol) | OK | S,A,T | OK | S,A | NR | NR | 65 | S,A,T | OK | S,A,T | 65 | S,A,T | NR | NR | OK | S,A,T |
| Benzene Sulfonic Acid | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzoic Acid | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Borax (sodium borate) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Boric Acid | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Bromine Water | NR | NR | - | - | - | - | NR | NR | NR | NR | - | - | NR | NR | - | - |
| Butyl Acetate | OK | U,A,T | OK | S | OK | S,A | 65 | S,A | OK | S,A | OK | S,A | 195 | S,A | - | - |
| Butyl Alcohol | OK | 140U,S,A,T | OK | S | OK | S,A,T | 65 | 65U,S,A,T | OK | 130U,S,A,T | OK | S,A,T | 65 | 65U,S,A,T | - | OK |
| Butyl Amine | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Butyl Phthalate | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Butyric Acid | 70 | 70U,S,A | - | - | - | - | 195 | 70U,S,A | NR | NR | - | - | 65 | 65U,S,A | - | - |
| Cadmium Cyanide | 200 | 140U,A,T | NR | NR | OK | 140U,A,T | - | - | - | - | NR | NR | OK | 135U,A,T | 140 | 140U,A,T |
| Calcium Bisulfite | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Calcium Chloride | NR | NR | - | - | OK | S | 195 | S | NR | NR | OK | S | OK | S | NR | NR |
| Calcium Hypochlorite | NR | NR | NR | NR | 140 | 140U | - | - | NR | NR | NR | NR | 135 | 135U | - | - |
| Calcium Nitrate | NR | NR | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Calcium Phosphate | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Calcium Sulfate | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Carbon disulfide | 70 | S,A,T | - | - | 65 | S,A,T | NR | NR | 65 | S,A,T | 65 | S,A,T | NR | NR | - | - |
| Carbon Tetrachloride | OK | 100U,S | 100 | S | OK | S | 65 | U,S | OK | 100U,S | OK | S | 95 | 95U,S | OK | 95U,S |
| Carbonic Acid | 100 | 100U,S | - | - | 100 | S,A | NR | NR | 95 | 95U,S,A | 100 | S,A | OK | 135U,S,A | 100 | 100U,S,A |
| Calcium Phosphate | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Calcium Sulfate | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Carbon disulfide | 70 | S,A,T | - | - | 65 | S,A,T | NR | NR | 65 | S,A,T | 65 | S,A,T | NR | NR | - | - |
| Carbon Tetrachloride | OK | 100U,S | 100 | S | OK | S | 65 | U,S | OK | 100U,S | OK | S | 95 | 95U,S | OK | 95U,S |
| Carbonic Acid | 100 | 100U,S | - | - | 100 | S,A | NR | NR | 95 | 95U,S,A | 100 | S,A | OK | 135U,S,A | 100 | 100U,S,A |
| Calcium Phosphate | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Calcium Sulfate | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Carbon disulfide | 70 | S,A,T | - | - | 65 | S,A,T | NR | NR | 65 | S,A,T | 65 | S,A,T | NR | NR | - | - |
| Carbon Tetrachloride | OK | 100U,S | 100 | S | OK | S | 65 | U,S | OK | 100U,S | OK | S | 95 | 95U,S | OK | 95U,S |
| Carbonic Acid | 100 | 100U,S | - | - | 100 | S,A | NR | NR | 95 | 95U,S,A | 100 | S,A | OK | 135U,S,A | 100 | 100U,S,A |
| Cellosolve | NR | NR | - | - | - | - | NR | NR | NR | NR | - | - | NR | NR | - | - |
| Chloroacetic Acid | NR | NR | - | - | - | - | NR | NR | NR | NR | - | - | 70 | 70U | - | - |
| Chlorine Water | NR | NR | - | - | NR | NR | - | - | - | - | NR | NR | NR | NR | - | - |
| Chlorobenzene | 195 | S,A | OK | S | 195 | S,A | 195 | S,A | 195 | S,A | 195 | S,A | NR | NR | 195 | S,T |
| Chloroform | OK | 65U,S,A | - | - | OK | 70U,S,A | 65 | 65U,S,A | NR | NR | OK | 70U,S,A | 70 | 70U,S,A | OK | S,A |



CARBON CARTRIDGES: CHEMICAL/PLATING

| | B & C | | G | | H | | K | | N | | O | | P, U & W | | R | |
|-----------------------|------------------|-----------|-------|------|------------------|----------|------------------|-----------|-----------------|------------|------------------|----------|------------------|------------|------------------|----------|
| | Media | Core | Media | Core | Media | Core | Media | Core | Media | Core | Media | Core | Media | Core | Media | Core |
| Silver Nitrate | NR | NR | OK | S,A | OK | 130U,S,A | NR | NR | NR | NR | OK | 130U,S,A | OK | 135U,S,A | NR | NR |
| Soaps | - | - | - | - | - | - | - | - | - | - | - | - | 185 | 135U,S,A | - | - |
| Sodium Acetate | 65 | 65U,S,A | - | - | - | - | 65 | 65U,S,A | - | - | - | - | OK | 135U,S,A | 65 | 65U,S,A |
| Sodium Bicarbonate | 65 | 65U,S,A,T | - | - | NR | NR | 65 | 65U,S,A,T | - | - | 135 | 135U,S,A | OK | 135U,S,A | 65 | 65U,S,A |
| Sodium Bisulfate | NR | NR | - | - | NR | NR | 65 | 65U | - | - | 70 | 70U | 135 | 135U | NR | NR |
| Sodium Carbonate | 65 | 65U,S,A | - | - | 65 | 65U,S,A | 65 | 65U,S,A | OK | 120U,S,A | 65 | 65U,S,A | 170 | 135U,S,A | - | - |
| Sodium Chlorate | NR | NR | - | - | - | - | 65 | 65U,S,A | - | - | - | - | 170 | 135U,S,A | - | - |
| Sodium Chloride | OK | 120U | - | - | OK ³ | 140U | OK ³ | 140U | OK ³ | 140U | OK | 140U | OK ³ | 135U | OK ³ | 140U |
| Sodium Cyanide | OK | 120U,S,A | - | - | OK | 130U,S,A | NR | NR | OK | 140U,S,A | NR | NR | OK | 135U,S,A | NR | NR |
| Sodium Hydroxide, 20% | 65 | 65U,S,A | NR | NR | - | - | 65 ² | 65U,S,A | OK | 120U,S,A | - | - | OK | 135U,S,A | NR | NR |
| Sodium Hydroxide, 50% | NR ⁶ | NR | NR | NR | OK ⁶ | 130U,S,A | - | - | - | - | NR ⁶ | NR | OK | 135U,S,A | - | - |
| Sodium Hypochlorite | NR | NR | NR | NR | NR ² | NR | 65 ² | 65U,S | 95 | 95U,S | NR | NR | 120 ² | 110U,S | NR ² | NR |
| Sodium Nitrate | 65 | 65U,S,A | OK | S,A | NR | NR | 65 | 65U,S,A | 65 | 65U,S,A | 135 | 135U,S,A | 170 | 135U,S,A | 65 | 65U,S,A |
| Sodium Silicate | 65 | 65U,S,A | - | - | - | - | 65 | 65U,S,A,T | - | - | - | - | 170 | 135U,S,A,T | 65 | 65U,S,A |
| Sodium Sulfate | 70 | 70U,S,A | OK | S,A | NR | NR | 65 | 65U,S,A | 65 | 65U,S,A | 135 | 135U,S,A | 170 | 135U,S,A | 65 | 65U,S,A |
| Sodium Sulfide | 65 | 65U,S | - | - | NR | NR | 65 | 65U,S | - | - | 135 | 135U,S | 170 | 135U,S | 65 | 65U,S |
| Stannic Chloride | 65 | 65U | - | - | - | - | 65 ² | 65U | 65 ² | 65U | - | - | 70 ² | 70U | 65 ² | 65U |
| Sulfuric Acid, 0-10% | 100 ² | 100U,S | OK | S | 145 ² | 145U,S | 140 ² | 140U,S | - | - | 145 ² | 145U,S | OK ³ | 135U,S | 100 ² | 100U,S |
| Sulfuric Acid, 10-75% | NR ⁷ | NR | OK | S | 65 ⁷ | 65U | NR ¹¹ | NR | NR | NR | 65 ⁷ | 65U | 135 ⁷ | 135U | NR ¹¹ | NR |
| Sulfuric Acid (conc.) | NR ¹² | NR | 100 | S | NR ¹² | NR | NR ¹² | NR | NR | NR | NR ¹² | NR | 65 ¹¹ | 65U,S,A | NR ¹² | NR |
| Sulfurous Acid | NR | NR | 140 | U | OK | 135U | NR | NR | NR | NR | OK | 135U | 135 | 135U | - | - |
| Tannic Acid | 65 | 65U,S | OK | S,A | OK | 135U,S,A | 65 ³ | 65U,S,A | 65 ³ | 65U,S,A | OK | 135U,S,A | OK | 135U,S,A | 135 | 135U,S,A |
| Tartaric Acid | 65 | 65U,S | - | - | NR | NR | 65 | 65U,S | - | - | 135 | 135U,S | 145 | 135U,S | - | - |
| Tetrahydrofurane | 65 | 65U,S,A | OK | S,A | NR | NR | 65 | S,A | 95 | 70U,S,A | NR | NR | 70 | 65U,S,A | OK ³ | 70U,S,A |
| Toluene (toluol) | OK | 110U,S,A | OK | S,A | NR | NR | 65 | 65U,S,A,T | OK | 120U,S,A,T | OK | S,A,T | 120 | 110U,S,A,T | OK | S,A,T |
| Trichloroethylene | OK | S,A | - | - | NR | NR | 65 | S,A | 65 | 65U,S,A | OK | S,A | NR | NR | OK | S,A |
| Triethanolamine | 65 | 65U,S,A,T | - | - | - | - | 65 | 65U,S,A,T | - | - | - | - | 70 | 65U,S,A,T | - | - |
| Turpentine | OK | 65U,S,A,T | OK | S,A | 95 | S,A,T | 65 | 65U,S,A,T | OK | S,A,T | OK | S,A,T | 70 | 65U,S,A,T | OK | S,A,T |
| Urea | 70 | T | - | - | - | - | - | - | - | - | - | - | - | - | 65 | T |
| Vinegar | 95 | 95U,S | - | - | NR | NR | - | - | NR | NR | NR | NR | 135 | 135U,S,A | 100 | 100U,S,A |
| Water, Deionized | - | - | - | - | - | - | - | - | - | - | - | - | OK | U,S | - | - |
| Water, Sea (salt) | OK | 120U | 140 | U | OK | 135U | 140 | 140U | 135 | 135U | 240 | 135U | OK | 135U | 140 | 140U |
| Xylene (xylol) | OK | S,A,T | - | - | NR | NR | OK | S,A,T | OK | S,A,T | OK | S,A,T | NR | NR | OK | S,A,T |
| Zinc Chloride | - | - | - | - | - | - | - | - | - | - | - | - | 120 | 120U | - | - |
| Zinc Sulfate | - | - | OK | S,A | NR | NR | - | - | NR | NR | OK | U,S,A | OK | U,S,A | - | - |

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