



METHOD®
SERVING SINCERE SOLUTIONS



CHEMICAL RESISTANT LABORATORY PLUMBING

CHEMICAL RESISTANT CHART

A = NEGLIGIBLE EFFECT – Should be suitable for all applications where these environmental condition exist.

B = LIMITED ABSORPTION OR ATTACK – Should be suitable for most applications, but the user is advised to make his own tests to determine the suit ability of polypropylene in the particular environment.

C = EXTENSIVE ABSORPTION AND / OR RAPID PERMEATION – Should be suitable for applications where only intermittent service is involve, or where the swelling produced has no detrimental effect on the part. The user should make his own test to determine the suitability of polypropylene in the particular of environment.

D = EXTENSIVE ATTACK - The specimen dissolves or disintegrates. Polypropylene is not

Environmental	Conc. %	Temperatures °C		
		20	60	100
Acetic acid (glacial)	97	A	B (80 °C)	-
Acetic acid	50	A	A (80 °C)	-
Acetic acid	40	A	-	-
Acetic acid	10	A	A	-
Acetone	100	A	A	-
Acetophenone	100	B	B	-
Acriflavine	2	A	A	-
(2% solution in H2O)			(80 °C)A	
Acrylic emulsions		A	A	-
Aluminum chloride		A	A	-
Aluminum fluoride		A	A	-
Aluminum sulfate		A	A	-
Alums (all type)		A	A	-
Ammonia (aqueous)	30	A	-	-
Ammonia gas (dry)		A	A	-
Ammonium carbonate	Satd.	A	A	-
Ammonium chloride	Satd.	A	A	-
Ammonium fluoride	20	A	A	-
Ammonium hydroxide	10	A	A	-
Ammonium metaphosphate	Satd.	A	A	-
Ammonium nitrate	Satd.	A	A	-
Ammonium persulfate	Satd.	A	A	-
Ammonium sulfate	Satd.	A	A	-
Ammonium sulfide	Satd.	A	A	-
Ammonium thiocyanate	Satd.	A	A	-
Amyl acetate	100	B	C	-
Amyl alcohol	100	A	B	-
Amyl chloride	100	C	C	-
Aniline	100	A	A	-
Anisole	100	B	B	-

	Conc. %	Temperatures °C		
		20	60	100
Antimony chloride		A	Environmental	-
Aqua regia	*	B		-
Aviation fuel (115/145 octane)	100	B		-
Aviation turbine fuel	100	B		-
Barium carbonate	Satd.	A	(80 °C)	-
Barium chloride	Satd.	A		-
Barium hydroxide		A		-
Barium sulfate	Satd.	A		-
Barium sulfide	Satd.	A		-
Beer		A		-
Benzene	100	B		C
Benzoic acid		A		-
Benzyl alcohol		A		-
Bismuth carbonate	Satd.	A		-
Borax		A		-
Boric acid		A		-
Brine	Satd.	A		-
Bromine liquid	100	D		-
Bromine water	*	C		-
Butyl acetate	100	-		C
Butyl alcohol	100	A		-
Calcium carbonate	Satd.	A	A	-
Calcium chlorate	Satd.	A		-
Calcium chloride	50	A		-
Calcium hydroxide		A		-
Calcium hypochlorite bleach	20	A		-
Calcium nitrate		A		-
Calcium phosphate	50	A		-
Calcium sulfate		A		-
Calcium sulfite		A		-
Carbon dioxide (dry)		A		-
Carbon dioxide (wet)		A		-
Carbon disulfide	100	B		-
Carbon monoxide		A		-
Carbon tetrachloride	100	C		C
Carbonic acid		A		-
Castor oil		A		-
Cetyl alcohol	100	A		-
Chlorine (gas)	100	D		-
Chlorobenzene	100	C		-
Chloroform	100	C		D
Chlorosulfonic acid	100	D		D

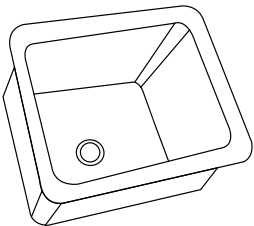
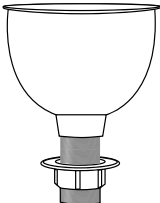
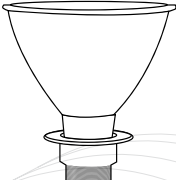
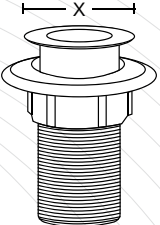
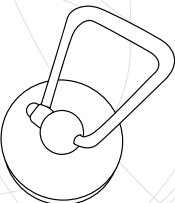
Environmental	Conc. %	Temperatures°C		
		20	60	100
Hexane	100	A	B	-
Hydrobromic acid	50*	A	A	-
Hydrochloric acid	30*	A	B	D
Hydrochloric acid	20	A	A	-
Hydrochloric acid	10	A	(80 °C) A	B
Hydrochloric acid	2	A	(80 °C) A	A
50-50 HCl-HNO ₃	*	B	D (80 °C)	-
Hydrofluoric acid	40	A	-	-
Hydrofluoric acid	60*	A	A (40 °C)	-
Hydrogen chloride gas (dry)	100	A	A	-
Hydrogen peroxide	30	A	-	D
Hydrogen peroxide	10	A	B	-
Hydrogen peroxide	3	A	-	-
Hydrogen sulfide		A	A	-
Hydroquinone		A	A	-
Inks		A	A	
Iodine tincture		A	-	
Isooctane	100	C	C	
Isopropyl alcohol	100	A	A	
Ketones		A	-	-
Lactic acid	20	A	A	-
Lanolin	100	A	A	-
Lead acetate	Satd.	A	A	-
Linseed oil	100	A	A	-
Lubricating oil	100	A	B	-

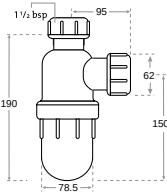
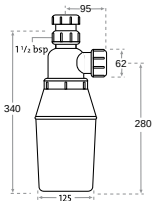
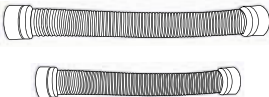
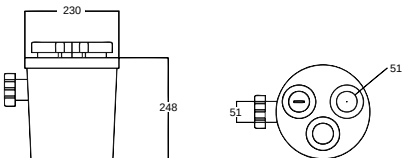
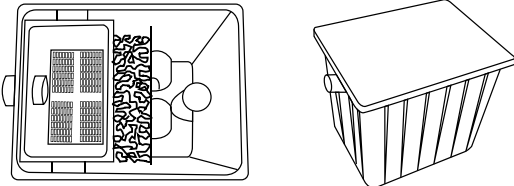
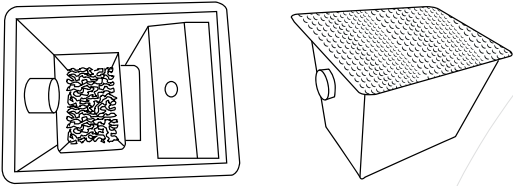
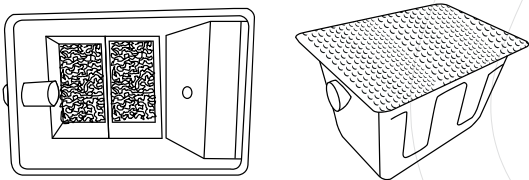
Environmental	Conc. %	Temperatures °C		
		20	60	100
Magenta dye (Aqueous solution)	2	A	A Some staining	-
Magnesium carbonate	Satd.	A	A	-
Magnesium chloride	Satd.	A	A	-
Magnesium hydroxide	Satd.	A	A	-
Magnesium nitrate	Satd.	A	A	-
Magnesium sulfate	Satd.	A	A	-
Magnesium sulfide	Satd.	A	A	-
Meat juices		A	A	-
Mercuric chloride	40	A	A	-
Mercuric cyanid	Satd.	A	A	-
Mercurous nitrate	Satd.	A	A	-
Mercury	100	A	A	-
Methyl alcohol	100	A	A	-
Methylene chloride	100	A	-	-
Methyl ethyl ketone	100	A	B	-
Milk and it products		A	A	A
Mineral oil	100	A	B	-
Molasses		A	A	-
Motor oil	100	A	B	-
Naphthalene	100	A	A	A
Nickel chloride	Satd.	A	A	-
Nickel nitrate	Satd.	A	A	-
Nickel sulfate	Satd.	A	A	-
Nitric acid	Fuming	D	D	D
Nitric acid	70*	C	D	-
Nitric acid	60	A	D (80 °C)	-
Nitric acid	10	A	A	A
50-50 HNO ₃ -HCl	*	A	D (80 °C)	-
50-50 HNO ₃ -H ₂ SO ₄	*	C	D (80 °C)	-
Nitrobenzene	100	A	A	-
Oleic acid		A	B	-
Oleum		-	-	D
Olive oil	100	A	A	-
Oxalic acid (aqueous)	50	A	B	-
Paraffin	100	A	B	-
Paraffin wax	100	A	A	-
Petrol	100	B	C	-

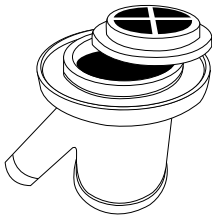
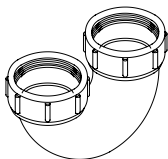
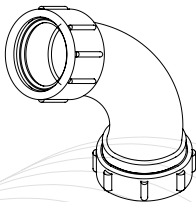
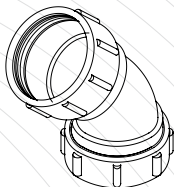
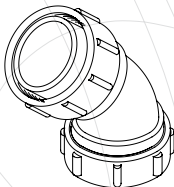
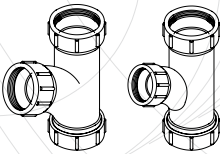
Environmental	Conc. %	Temperatures°C		
		20	60	100
Petroleum ether (Boiling point 100-140°C)	100	C	C	-
Phenol	100	A	A	-
Phosphoric acid	95	A	A	-
Plating solution, brass		A	A	-
Plating solution, cadmium		A	A	-
Plating solution, chromium		A	A	-
Plating solution, copper		A	A	-
Plating solution, gold		A	A	-
Plating solution, indium		A	A	-
Plating solution, lead		A	A	-
Plating solution, nickel		A	A	-
Plating solution, rhodium		A	A	-
Plating solution, silver		A	A	-
Silicon oil	100	A	A	-
Soap solution (concentrated)		A	A	-
Sodium acetate		A	A	-
Sodium bicarbonate	Satd.	A	A	-
Sodium bisulfate	Satd.	A	A	-
sodium bisulfite	Satd.	A	A	-
Sodium borate		A	A	-
Sodium bromide oil solution		A	A	-
Sodium carbonate	Satd. Satd.	A	A	-
Sodium chlorate	Satd.	A	A	-
Sodium chloride	2	A	A	-
Sodium chlorite	5	A	(80 °C)	-
Sodium chlorite	10	A	(80 °C)	-
Sodium chlorite	20	A	(80 °C)	-
Sodium chlorite	Satd.	A	(80 °C)	-
Sodium cyanide	Satd.	A	A	-
Sodium dichromate	Satd.	A	A	-
Sodium ferricyanide	Satd.	A	A	-
Sodium ferrocyanide	Satd.	A	A	-
Sodium fluoride	50	A	A	-
Sodium hydroxide	10	A	A	-
Sodium hydroxide	20	A	A	A
Sodium hypochlorite		A	B	B
Sodium nitrate		A	A	-
Sodium nitrite	Satd.	A	A	-
Sodium silicate	25	A	A	-
Sodium sulfate	Satd	A	A	-
Sodium sulfide		A	A	-

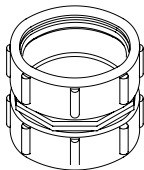
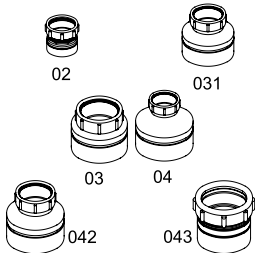
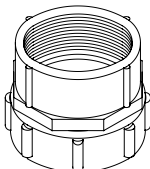
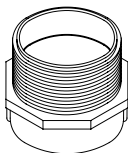
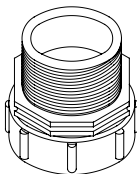
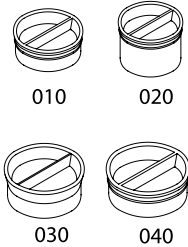
Environmental	Conc. %	Temperatures °C		
		20	60	100
Sodium sulfite	Satd.	A	A	-
Stannic chloride	Satd.	A	A	-
Stannous chloride		A	A	-
Starch		A	A	-
Sugar and syrups		A	A	-
Sulfamic acid		A	A (80 °C)	-
Calcium and Sulfates of				
Magnesium Potassium Sulfates of	Satd.	A	A	-
And sodium		A	A	-
Sulfur	98*	A	A	-
Sulfuric acid	60	C	-	D
Sulfuric acid		A	B (80 °C)	-
Sulfuric acid	50			
Sulfuric acid	10	A	B	-
Sulfuric acid	*	A	A	A
50-50 H ₂ SO ₄ /HNO ₃		C	D (80 °C)	-
Tallow		A	A	-
Tannic acid	10	A	A	-
Tartaric acid		A	A	-
Tetrahydrofuran	100	C	C	C
Tetralin	100	C	C	C
Toluene	100	C	C	-
Transformer oil	100	A	C	-
Trichloroacetic acid	100	A	A	-
Trichloroethylene	100	C	C	C
Triethanolamine	100	A	A (80 °C)	-
Turpentine	100	C	C	C
Urea		A	A	-
Urine		A	A	-
Vaseline		A	A	-
Vinegar		A	A	-

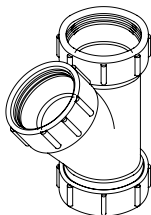
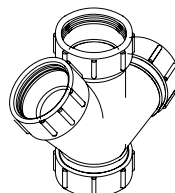
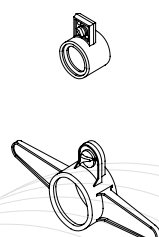
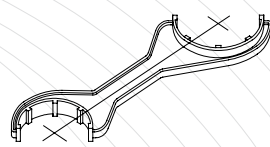
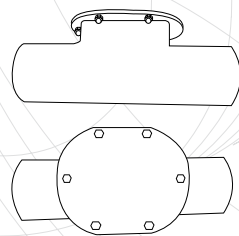
Environmental	Conc. %	Temperatures °C		
		20	60	100
Water (distilled, soft, hard and vapor)		A	A	A
Wet chlorine gas		-	D (70 °C)	-
Whisky		A	A	A
White paraffin	100	A	B (80 °C)	-
White spirit	100	B	C	-
Wines		A	A	-
Xylene	100	C	C	C
Yeast		A	A	-
Zinc chloride	Satd.	A	A	-
Zinc oxide		A	A	-
Zinc sulfate	Satd.	A	A	-

ISO. DRAWING	DESCRIPTION	CODE NO.
	Sinks 350 x 350 x 235 mm 420 x 320 x 215 mm 552 x 400 x 235 mm 560 x 355 x 230 mm 810 x 470 x 330 mm	MS313 MS401 MS505 MS808 MS900
	Oval Drip Cups 176 x 102mm 265 x 117mm	MM22 PP80D
	Circular Drip Cups 170mm dia. 190mm dia.	MD150 PP70D
	Wastes 70mm dia. (X) 73mm dia. 85mm dia.	MS805 MS810 MS815
	Plug and Chain	MS820
	Plug Holder	MS70P

ISO. DRAWING	DESCRIPTION	CODE NO.
	Waste Stand Tube 158mm 258mm	MS600 MS605
	Anti-Vac Bottle Trap 38mm	MV88
	Dilution Recovery Trap 38mm	MT2300V
 MX 65 MX 30	PP Flexible Hose 38mm x 650 38mm x 300	MX 65 MX 30
	4.5 Litres Dilution Recovery Trap 51mm 51mm (Transparent Base)	V915P V910P
	21 Litres Neutralising Tank 439 X 337 X 390mm (LxWxH) 51mm (Inlet & Outlet)	V220
	25 Litres Neutralising Tank 610 X 460 X 495mm (LxHxW) 76mm (Inlet & Outlet)	V930
	85 Litres Neutralising Tank 915 X 610 X 655mm (LxWxH) 105mm (Inlet & Outlet)	V940

ISO. DRAWING	DESCRIPTION	CODE NO.
	Gully Trap 76mm	PP060
	U' Bends 38mm 51mm	ME125-010 ME125-020
	Sweep Bends 38mm 51mm 76mm 102mm	ME150-010 ME150-020 ME150-030 ME150-040
	Slow Bends 38mm 51mm 76mm 102mm	ME200-010 ME200-020 ME200-030 ME200-040
	Loose Nut Slow Bends 38mm 51mm 76mm 102mm	ME225-010 ME225-020 ME225-030 ME225-040
	Sweep Tees 38mm 51mm 51 x 38mm 76mm 102mm	ME250-010 ME250-020 ME250-021 ME250-030 ME250-040

ISO. DRAWING	DESCRIPTION	CODE NO.
	Line Couplers 38mm 51mm 76mm 102mm	ME275-010 ME275-020 ME275-030 ME275-040
	Reducing Couplers 51 x 38mm 76 x 38mm 76 x 51mm 102 x 38mm 102 x 51mm 102 x 76mm	ME300-021 ME300-031 ME300-032 ME300-041 ME300-042 ME300-043
	F.I to Pipe Couplers 38mm 51mm	ME325-010 ME325-020
	F.I x M.I Reducer 1 1/4" FI x 1 1/2" BSP M.I	ME350-010
	M.I to Pipe Couplers 38mm 51mm	ME375-010 ME375-020
	Blanking-Off Plug 38mm 51mm 76mm 102mm	ME400-010 ME400-020 ME400-030 ME400-040

ISO. DRAWING	DESCRIPTION	CODE NO.
	Single Wyes 38mm 51mm 76mm 102mm	ME425-010 ME425-020 ME425-030 ME425-040
	Double Wyes 38mm 51mm 76mm 102mm	ME450-010 ME450-020 ME450-030 ME450-040
 010 020 030 040	Cutting Tool 38mm 51mm 76mm 102mm	ME475-010 ME475-020 ME475-030 ME475-040
	Spanner 51 x 38mm 102 x 76mm	ME500-021 ME500-043
	Polypropylene Pipe 38mm (4m) 51mm (4m) 76mm (4m) 102mm (4m)	ME900-014 ME900-024 ME900-034 ME900-044
	Access Pipe With Cover 51mm 76mm 102mm	ME904-020 ME904-030 ME904-040



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