

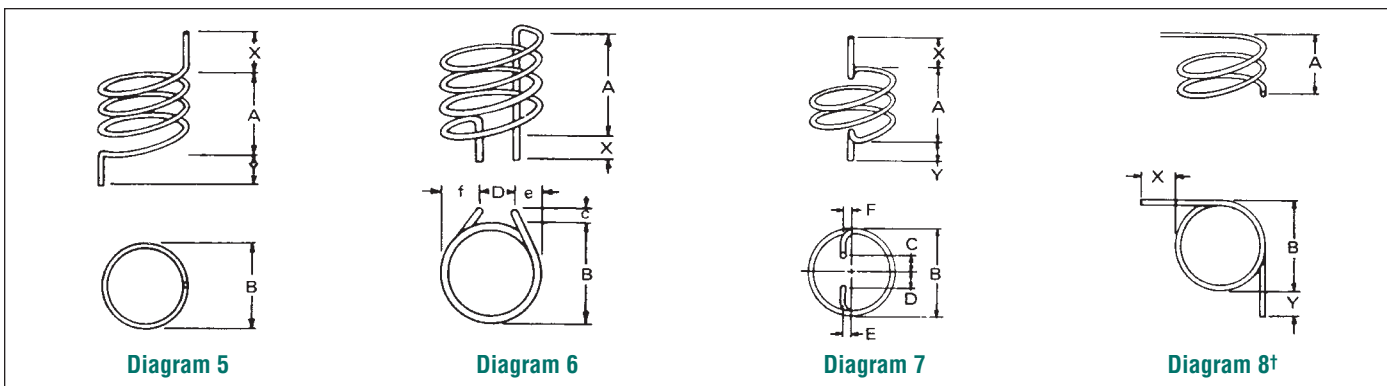
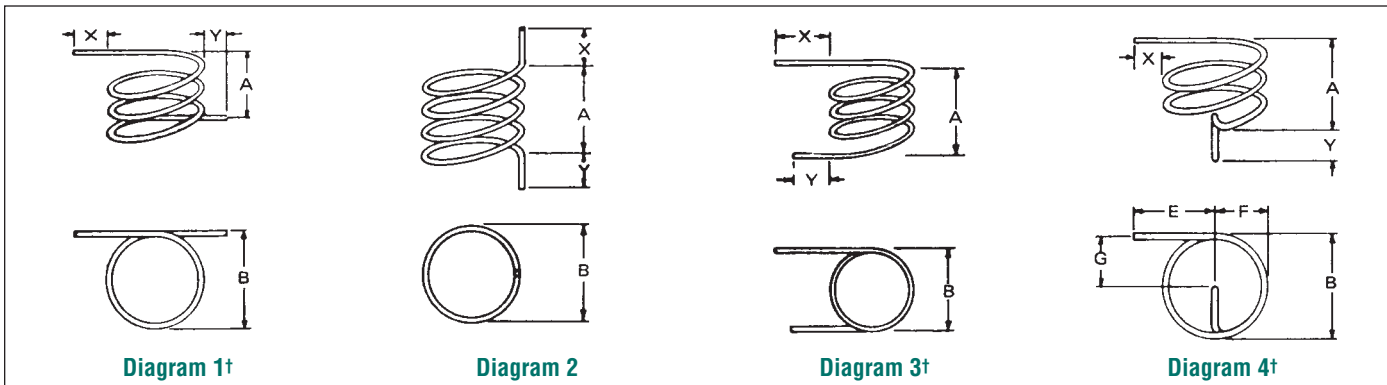
Custom-made Packed Columns

Stainless Steel, Copper, Aluminum, Nickel and PTFE

Our custom-made OV[®]-Packed columns carry a 100% Satisfaction Guarantee!

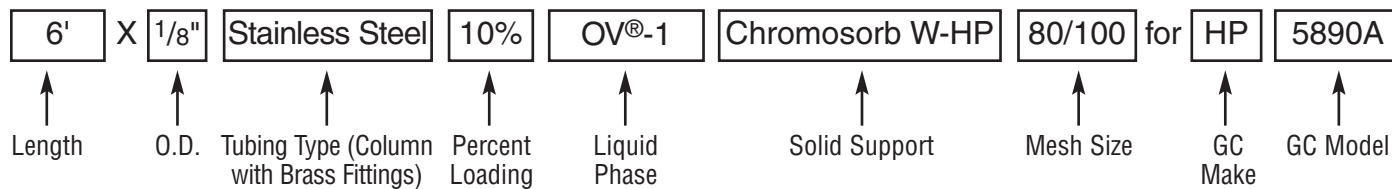
Orders for custom-made columns will be given immediate attention and most will be shipped within 24 hours from receipt of order. We can supply packed columns made with any combination of support and liquid phase listed in this catalog. We will also make every effort to supply your requirements for other supports or liquid phases.

- Over 42 years experience in packing preparation and column techniques.
- 24 hour delivery.
- Complete with brass Swagelok fittings.
- All stainless steel tubing is our premium grade, manufactured for GC use only.
- Each column packed in individual container. (No lost ferrules or end caps)
- OV's guide to packings and columns included.



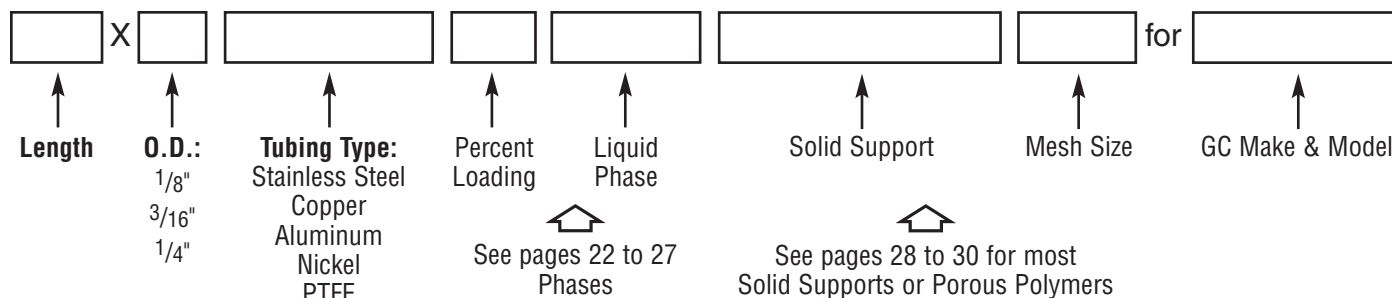
†Beware of mirror image. Specify mirror image if necessary.

Request A Quote Example:



**Request A Quote:
Stainless Steel, Copper, Aluminum, Nickel and PTFE Columns**

Complete your information below and fax to (740) 373-9910. We will send you a firm quote.



Brass Fittings (standard) Stainless Steel Fittings

Preconditioned

If necessary, reference drawing on page 16.

Company _____ Contact name _____

Address _____

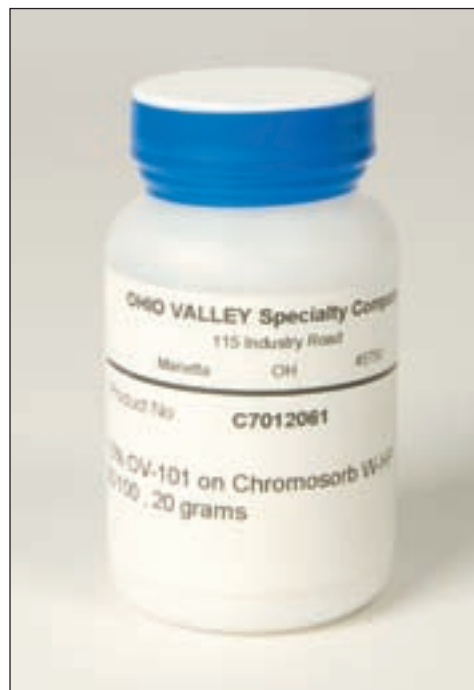
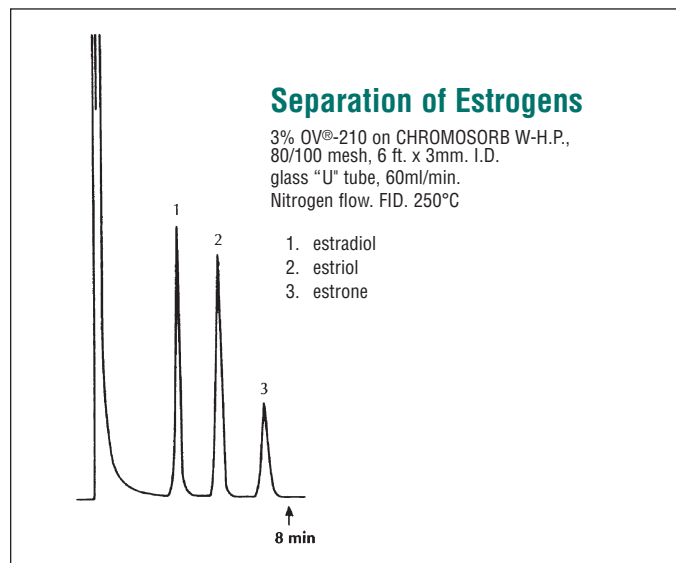
City _____ State _____ Zip _____

Phone _____ Fax _____ e-mail _____

Custom Prepared Packings (Shipped within 24 hours)

Chart Listing Equivalent Supports

Manufacturer	Non-Acid Washed	Acid Washed	Acid Washed DMCS Treated	Acid Washed DMCS Treated High Performance
Analabs		Anakrom A	Anakrom AS	Anakrom Q
Alltech	Gas Chrom S Gas Chrom R	Gas Chrom A Gas Chrom RA	Gas Chrom Z Gas Chrom RZ	Gas Chrom Q
Celite	Chromosorb W-NAW Chromosorb G-NAW	Chromosorb W-AW Chromosorb G-AW	Chromosorb W-AW DMCS Chromosorb G-AW DMCS	Chromosorb W-HP Chromosorb G-HP
Supelco				Supelcoport



Custom Prepared Packings (Shipped within 24 Hours)

Support	Mesh	Phase	% Loading	Quantity
Anakrom A	80/100,100/120	Any Phase	Any % Loading	20gm or 50gm or 100gm
Anakrom AS, Q	80/100,100/120			
Chromosorb W-HP	60/80, 80/100,100/120,120/140	See pages 22 to 27 for a list of phases		
Chromosorb G-HP	60/80, 80/100,100/120			
Chromosorb 750	60/80, 80/100,100/120			
Chromosorb 101, 102, 103, 104, 105, 106, 107, 108	60/80, 80/100,100/120			
Chromosorb P(NAW), (AW)	60/80, 80/100,100/120			
Chromosorb G(NAW), (AW)	60/80, 80/100,100/120			
Chromosorb W(NAW), (AW)	60/80, 80/100,100/120			
Chromosorb P(HMDS), (AW-DMCS)	60/80, 80/100,100/120			
Chromosorb G(AW-DMCS)	60/80, 80/100,100/120			
Chromosorb W(HMDS), (AW-DMCS)	60/80, 80/100,100/120			
Chromosorb T	30/60, 40/60			
Gas Chrom Q	60/80, 80/100,100/120,120/140			
Gas Chrom P, Z, A, RA, RZ	60/80, 80/100,100/120			
Glass Beads (Regular)*	60/80, 80/100,100/120			
Porapak, HayeSep	50/80, 80/100, 100/120			

Example

Solid Support	Mesh Size	Liquid Phase	% Loading	Quantity
Chromosorb W-NAW	60/80	OV®-101	3%	20 grams

Request a Quote: Complete your info and fax to (740) 373-9910

Solid Support	Mesh Size	Liquid Phase	% Loading	Quantity
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Special →

Company _____ Contact Name _____

Address _____

City _____ State _____ Zip _____

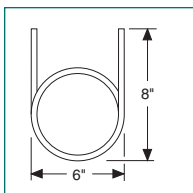
Phone _____ Fax _____ e-mail _____

Stock GC Columns Packed 6' x 1/8" Stainless Steel Columns Supplied with Brass fittings

- Shipped from stock
- Guaranteed: Supplied with our guide to packings & columns
- 42 years experience in packing columns
- Stainless steel tubing used is our premium grade, manufactured for GC use

Description (Each)	Catalog Number
10% Apiezon L on Chromosorb W-HP 80/100	600
10% Carbowax 400 on Chromosorb W-HP 80/100	602
10% Carbowax 1500 on Chromosorb W-HP 80/100	604
10% Carbowax 20M on Chromosorb W-HP 80/100	606
10% Carbowax 20M on Chromosorb W-AW 80/100	607
10% Carbowax 20M-TPA on Chromosorb W-AW 80/100	608
Chromosorb 101, 80/100	610
Chromosorb 102, 80/100	612
Chromosorb 103, 80/100	614
Chromosorb 105, 80/100	618
Chromosorb 106, 80/100	620
Chromosorb 107, 80/100	622
Chromosorb 108, 80/100	624
10% DEGS on Chromosorb W-AW 80/100	626
15% DEGS on Chromosorb W-AW 80/100	628
5% FFAP on Chromosorb W-HP 80/100	630
5% FFAP on Chromosorb W-AW 80/100	632
3% OV®-1 on Chromosorb W-HP 80/100	634
3% OV®-1 on Chromosorb W-HP 100/120	636
10% OV®-1 on Chromosorb W-HP 80/100	638
3% OV®-17 on Chromosorb W-HP 80/100	640
3% OV®-17 on Chromosorb W-HP 100/120	642
10% OV®-17 on Chromosorb W-HP 80/100	646
10% OV®-17 on Chromosorb W-HP 100/120	648

Description (Each)	Catalog Number
3% OV®-101 on Chromosorb W-HP 80/100	650
3% OV®-101 on Chromosorb W-HP 100/120	652
10% OV®-101 on Chromosorb W-HP 80/100	654
3% OV®-210 on Chromosorb W-HP 80/100	656
3% OV®-225 on Chromosorb W-HP 100/120	658
3% OV®-225 on Chromosorb W-HP 80/100	659
10% OV®-225 on Chromosorb W-HP 80/100	684
3% OV®-275 on Chromosorb W-AW 80/100	660
3% SE-30 GC Grade on Chromosorb W-HP 80/100	661
Porapak Q 80/100	662
Porapak P 80/100	664
Porapak R 80/100	666
Porapak S 80/100	668
Porapak T 80/100	670
Porapak T 100/120	672
Porapak N 80/100	674
Porapak QS 80/100	676
Porapak PS 80/100	678
1.5% OV®-17 + 1.95% QF-1 on Chromosorb W-HP 80/100	680
4% SE-30 + 6% OV®-210 on Chromosorb W-HP 80/100	682



This is a general configuration. The 1/8" tubing can be carefully formed to fit your GC.

Ohio Valley is one of the world's leading specialists in the manufacturing of high quality, dependable packed columns. For any questions concerning custom made packed columns please feel free to call **(740) 373-2276**, fax **(740)373-9910** or e-mail **info@ovsc.com**.

Custom Packed Metal and PTFE ColumnsPages 16-17
 Custom Packed Glass ColumnsPages 13-15

Stock Packings



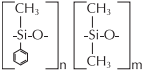
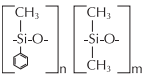
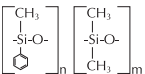

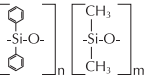
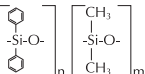
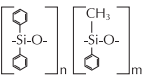
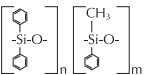
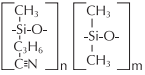




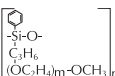
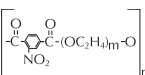
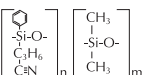
- Immediate shipment from stock
- Guaranteed
- Highest Possible Quality
- 20 grams (unless otherwise specified)

Catalog Number	Description	°C Min/Max	Use**
8111	OV®-1 1% Chromosorb W-HP 80/100	100/350	General
8113	OV®-1 3% Chromosorb W-HP 80/100	100/350	General
8114	OV®-1 3% Gas Chrom Q 80/100*	100/350	General
8115	OV®-1 3% Chromosorb W-HP 100/120	100/350	General
8116	OV®-1 3% Gas Chrom Q 100/120*	100/350	General
8133	OV®-17 3% Chromosorb W-H P 80/100	20/350	
8134	OV®-17 3% Gas Chrom Q 80/100*	20/350	General
8136	OV®-17 3% Gas Chrom Q 100/120*	20/350	Hydrocarbons
8139	OV®-17 3% Chromosorb W-AW DMCS 100/120	20/350	Drugs Analysis
8140	OV®-17 10% Chromosorb W-HP 100/120	20/350	Pesticides
8151	OV®-25 3% Chromosorb W-HP 80/100	20/300	
8171	OV®-101 1% Chromosorb W-HP 80/100	20/350	General
8173	OV®-101 3% Chromosorb W-HP 80/100	20/350	Hydrocarbons
8172	OV®-101 3% Gas Chrom Q 80/100*	20/350	Carbohydrates
8174	OV®-101 3% Chromosorb W-HP 100/120	20/350	FAME
8175	OV®-101 10% Chromosorb W-HP 80/100	20/350	Alcohols
8176	OV®-101 10% Chromosorb W-HP 100/120	20/350	
8183	OV®-210 3% Chromosorb W-HP 80/100	20/275	General
8142	OV®-210 10% Chromosorb W-HP 80/100	20/275	General
8191	OV®-225 3% Chromosorb W-HP 80/100	20/250	General
8194	OV®-225 3% Gas Chrom Q 80/100*	20/250	General
8195	OV®-225 10% Chromosorb W-HP 80/100	20/250	General
8201	OV®-275 1% Chromosorb W-AW 80/100	20/250	
8203	OV®-275 3% Chromosorb W-AW 80/100	20/250	General
8204	OV®-275 3% Chromosorb W-AW 100/120	20/250	General
8196	OV®-351 3% Chromosorb W-HP 80/100	50/250	General
8197	OV®-351 10% Chromosorb W-HP 80/100	50/250	General
8048	Carbowax 20M 3% Chromosorb W-HP 80/100	60/250	General
8300	Carbowax 20M 10% + KOH 2% W-AW 80/100	60/230	Amines
8302	Carbowax 20M 10% Chromosorb W-AW 80/100	60/250	General
8304	Carbowax 20M-TPA 10% Chromosorb W-AW 80/100	60/250	Free Fatty Acids
8306	QF-1 3% Gas Chrom Q 80/100*		General
8033	SE-30 GC Grade 3% Chromosorb W-HP 80/100	50/300	General
8034	SE-30 GC Grade 3% Gas Chrom Q 80/100*	50/300	General
8037	SE-30 GC Grade 10% Chromosorb W-HP 80/100	50/300	General
8308	Apiezon L 10% Chromosorb W-HP 80/100	20/100	—
8309	Dexsil 300 3% Chromosorb W-HP 100/120	20/450	High Temperature
8022	DEGS 10% Chromosorb W-AW 80/100	20/200	FAME
8651	Tenax 60/80 (15 grams)	0/375	—
8652	Tenax 80/100 (15 grams)	0/375	—
8310	SE-30 4% + OV®-210 6% Chromosorb W-HP 100/120	100/250	Pesticides
8312	OV®-17 1.5% + QF-1 1.95% Gas Chrom Q 80/100*	0/250	Pesticides
8314	OV®-17 1.5% + QF-1 1.95% Chromosorb W-HP 100/120	0/250	Pesticides

* Call 1-800-729-6872 for more information.

**Intended as a general guide.

OV[®] Liquid Phases Physical Property Data

Name	Type	Structure	Solvent	Temp. Limit	Viscosity	Sp Gr. 25°/25°C
OV [®] -1	Dimethylsilicone Gum		Toluene	325-375°C	Gum	0.980
OV [®] -101	Dimethylsilicone		Toluene	325-375°C	1,500	0.975
OV [®] -3	Phenylmethyldimethylsilicone (10% Phenyl)		Acetone	325-375°C	500	0.997
OV [®] -7	Phenylmethyldimethylsilicone (20% Phenyl)		Acetone	325-375°C	500	1.021
OV [®] -11	Phenylmethyldimethylsilicone (35% Phenyl)		Acetone	325-375°C	500	1.057
OV [®] -17	Phenylmethylsilicone (50% Phenyl)		Acetone	350-375°C	1,300	1.092
OV [®] -61	Diphenyldimethylsilicone		Acetone	325-375°C	>50,000	1.090
OV [®] -73	Diphenyldimethylsilicone Gum		Toluene	325-350°C	Gum	0.991
OV [®] -22	Phenylmethyldiphenylsilicone		Acetone	350-375°C	>50,000	1.127
OV [®] -25	Phenylmethyldiphenylsilicone		Acetone	350-375°C	>100,000	1.150
OV [®] -105	Cyanopropylmethyl-Dimethylsilicone		Acetone	275-300°C	1,500	1.01
OV [®] -202	Trifluoropropylmethylsilicone		Chloroform	250-275°C	500	1.252
OV [®] -210	Trifluoropropylmethylsilicone		Chloroform	275-350°C	10,000	1.284
OV [®] -215	Trifluoropropylmethylsilicone Gum		Ethyl Acetate	250-275°C	Gum	1.285
OV [®] -225	Cyanopropylmethyl Phenylmethylsilicone		Acetone	250-300°C	9,000	1.096
OV [®] -275	Dicyanoalkylsilicone		Acetone	250-275°C	20,000	
OV [®] -330	Silicone Carbowax Copolymer		Acetone	250-275°C	500	
OV [®] -351	Polyglycol-Nitroterephthalic		Chloroform	250-270°C	Solid	
OV [®] -1701	Dimethylphenylcyano Substituted Polymer		Acetone	300-325°C	Gum	

See Stationary Phases (OV® Liquid Phases) section for ordering

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RI, 25°C	Average Molecular Weight	Δ1			McReynolds Constants			
		Benzene	Butanol	2-Pentanone	Nitropropane	Pyridine	2-Methyl-2-Pentanol	2-Octyne
1.4040	>10 ⁶	16	55	44	65	42	32	23
1.4038	3 x 10 ⁴	17	57	45	67	43	33	23
1.4436	2 x 10 ⁴	44	86	81	124	88	55	46
1.4766	1 x 10 ⁴	69	113	111	171	128	77	66
1.5120	7 x 10 ³	102	142	145	219	178	103	92
1.5397	4 x 10 ³	119	158	162	243	202	112	105
1.5279	4 x 10 ⁴	101	143	142	213	174	99	86
1.4245	8 x 10 ⁵	40	86	76	114	85	57	39
1.5656	8 x 10 ³	160	188	191	283	253	133	132
1.5825	1 x 10 ⁴	178	204	208	305	280	144	147
1.558	3 x 10 ⁴	36	108	93	139	86	74	29
1.381	1 x 10 ⁴	146	238	358	468	310	206	56
1.3816	2 x 10 ⁵	146	238	358	468	310	206	56
1.3816	3 x 10 ⁵	149	240	363	478	315	208	56
1.5016	8 x 10 ³	228	369	338	492	386	282	150
	5 x 10 ³	629	872	763	1106	849	686	318
	5 x 10 ³	222	391	273	417	368	284	158
		335	552	382	583	540	—	—
	5 x 10 ⁴	67	170	153	228	171	—	—

Specially Modified OV[®] Capillary Phases

With the advent of Fused Silica Columns, the need has drastically increased for stable liquid phases which will bond effectively to the walls of the column. We are

therefore very happy to introduce these special OV[®] Silicones. To order these specially modified OV[®] Capillary phases — please include the proper catalog number.

Vinyl* Modified Capillary Phases

Description		Unit	Catalog Number
OV[®]-1 Vinyl Modified	100% Dimethylsilicone	5gm	6001
OV[®]-20 Vinyl Modified	20% Phenyl 80% Methylsilicone	3gm	6020
OV[®]-35 Vinyl Modified	35% Phenyl 65% Methylsilicone	3gm	6035
OV[®]-17 Vinyl Modified	50% Phenyl 50% Methylsilicone	3gm	6017
OV[®]-215 Vinyl Modified	50% Trifluoropropyl 50% Methylsilicone	10gm	1057
OV[®]-1701 Vinyl Modified	Dimethylphenylcyanosilicone	3gm	61701
OV[®]-225 Vinyl Modified	Cyanopropylmethylphenylmethylsilicone	3gm	6225
OV[®]-275 Vinyl Modified	Dicyanoalkylsilicone	3gm	6275

-OH* Modified Capillary Phases

Description		Unit	Catalog Number
OV[®]-101-OH Modified	100% Dimethylsilicone	5gm	6001-OH
OV[®]-17-OH Modified	50% Phenyl 50% Methylsilicone	3gm	6017-OH
OV[®]-61-OH Modified	Diphenyldimethylsilicone	3gm	6061-OH
OV[®]-31-OH Modified	Cyanopropylmethylsilicone	3gm	6031-OH
OV[®]-1701-OH Modified	Dimethylphenylcyanosilicone	3gm	61701-OH
OV[®]-240-OH Modified	Cyanopropylmethylsilicone	3gm	6240-OH
OV[®]-225-OH Modified	Cyanopropylmethylphenylmethylsilicone	3gm	6225-OH

* All capillary phases are 1% vinyl or 1% -OH Modified.

Stationary Phases

Solvent Code: A = Acetone, C = Chloroform, E = Ethyl Acetate, T = Toluene, M = Methanol
 ① Benzene, ② Butanol, ③ 2-Pentanone, ④ Nitropropane, ⑤ Pyridine

Catalog Number	Description	Unit	Suggested Substitute	Solvent	McReynold's					°C Min/Max
					①	②	③	④	⑤	
—	Amine 220*	—	AT-220	C	117	380	181	293	133	0/180
10023	Armeen 2-C*	—		T						0/125
10025	Armeen SD*	—		C						30/100
10017	Apiezon L	25g		C	32	22	15	32	42	20/100
10033	Bentone 34	50g		T,C						20/200
10043	Bis(2-butoxyethyl) Phthalate	20g		M	151	282	227	338	267	20/175
10045	N, N-bis(2-cyanoethyl) formamide	10g		M	690	991	853	1110	1000	20/125
10047	Bis(2-ethylhexyl) Tetrachlorophthalate*	—		C	112	150	123	108	181	0/150
10049	Butane 1,4 diol Succinate	25g			370	571	448	657	611	
10051	Carbowax 400	50g		C	343	653	430			20/100
10053	Carbowax 550	50g		C						20/110
10055	Carbowax 600	50g		C	350	631	428	632	605	20/120
10057	Carbowax 750	50g		C						25/130
10059	Carbowax 1000	50g		M	347	607	418	626	589	40/150
10061	Carbowax 1500	50g		C						40/200
10063	Carbowax 1540	50g		C	371	639	453	666	641	40/200
10065	Carbowax 4000	50g		C	317	545	378	578	521	60/200
10067	Carbowax 6000	50g		C	322	540	369	577	512	60/200
10069	Carbowax 20M	50g		C	322	536	368	572	510	60/250
10071	Carbowax 20M-Terephthalic Acid	50g		C	321	537	367	573	520	60/250
10073	Castorwax*	—		C	108	265	175	229	246	90/200
10079	Chlorowax 70 (chlorinated paraffin)*	—		C						/130
10081	Citroflex A-4 (acetyl tributyl citrate)	50g		A	135	268	202	314	233	-25/180
10083	Citroflex 4 (tributyl citrate)	50g		M	135	286	213	324	262	-15/150
10085	Cyanoethylsucrose	50g		A	647	919	797	1043	976	20/125
10093	Dexsil 300	5g		C	47	80	103	148	96	20/450
10094	Dexsil 400	5g		C	59	114	140	187	173	20/450
10095	Dexsil 410	5g		C	85	165	169	242	180	20/450
10099	Dibutyl Phthalate	50g		M						-20/100
10101	Didecyl Phthalate	25g		A	136	255	213	320	235	20/150
10103	Diethylene Glycol Adipate	25g		A	378	603	460	665	658	20/190
10105	Diethylene Glycol Succinate	25g	DEGS-GC	A	496	746	590	837	835	20/200
10107	Di(2-ethylhexyl) Phthalate*	—		M	135	254	213	320	235	20/150
10109	Di(2-ethylhexyl) Sebacate	50g		A	72	168	108	180	125	-20/125
10111	Diglycerol	10g		M	371	826	560	676	854	20/120
10113	Diisodecyl Adipate	50g		M	71	171	113	185	128	-20/125
10115	Diisodecyl Phthalate	50g		A	84	173	137	218	155	-20/150
10117	Diisooctyl Phthalate*	—		M,A	94	193	154	243	202	0/175
10119	Diisopropyl Phthalate*	—		M						0/100
10121	Dilauryl Phthalate	10g		M	79	158	120	192	158	20/150
10123	Dimer Acid*	—		C						30/100
10127	Dimethylformamide	50g		M						-20/20
10129	Dimethylsulfolane	—		M						20/50
10131	Dimethyl Sufoxide	50g		A						20/30
10133	Dinonyl Phthalate	50g		A	83	183	147	231	159	20/150
10135	Dioctyl Phthalate*	—		A	92	186	150	230	167	-20/100
10137	Diphenylformamide*	—		M						75/1()0
10139	Di-n-propyl Tetrachlorophthalate*	—		M						10/75
10140	EGSS-X	10g		C	484	710	585	831	778	90/225
10141	EPON 1001 (epoxy resin)	50g		C	284	489	406	539	601	65/200
10143	Ethofat 60/25	50g		C	191	382	244	380	333	50/125
10145	Ethylene Glycol Adipate	50g	Hi-Eff 2AP	C	372	577	455	658	619	100/200
10149	Ethylene Glycol Phthalate*	—		C	453	697	602	816	872	
10151	Ethylene Glycol Sebacate*	—		C						100/200
10155	Ethylene Glycol Succinate	25g	Hi-Eff-2BP	C	537	787	643	903	889	100/200

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 ① Benzene, ② Butanol, ③ 2-Pentanone, ④ Nitropropane, ⑤ Pyridine

Catalog Number	Description	Unit	Suggested Substitut ^e	Solvent	McReynold's					°C Min/Max
					①	②	③	④	⑤	
10156	FFAP	25g	OV®-351	C	340	580	397	602	627	00/275
10159	Formamide	50g		M						20/50
10161	Glycerol	50g		M						20/100
10163	Halocarbon Oil 14-25	50g		C						20/150
10165	Hallcomid M-18*	—		A	79	268	130	222	146	40/150
10166	Hallcomid M-18 OL	50g		M,C	89	280	143	239	165	8/150
10171	Hexamethylphosphoramide (HMPA)	50g		M						20/35
10401	Hi-EFF-1AP	25g		C	378	603	460	665	658	20/210
10402	Hi-EFF-2AP	25g		C	372	576	453	655	617	100/210
10405	Hi-EFF-8BP*	—		C	271	444	330	498	463	100/250
10407	Hi-EFF-1BP	25g		C	499	751	593	840		20/200
10408	Hi-EFF-2BP	25g		C	537	787	643	903	889	100/200
10175	Igepal CO-630	50g		M	192	381	253	382	344	100/200
10179	Igepal CO-880	50g		C	259	461	311	482	426	100/200
10181	Igepal CO-990	50g		C	298	508	345	540	475	100/220
10183	B,B,-Iminodipropionitrile	25g		M						1100
10185	JXR*	—	OV®-1	C	15	53	45	64	41	20/300
10187	Kel-F Oil No. 3*	—		A						0/50
10189	Kel-F Oil No. 10	50g		A						20/100
—	Kel-F Wax (Discontinued)*	—		A	55	67	114	143	116	20/220
10201	Lexan (polycarbonate resin)	25g		C						220/270
10203	Mannitol	25g								170/200
10205	Neopentyl Glycol Adipate	25g		C	234	425	312	402	438	50/225
10207	Neopentyl Glycol Sebacate*	—		C	172	327	225	344	326	50/225
10209	Neopentyl Glycol Succinate	10g		C	272	469	366	539	474	50/225
10211	Nujol (paraffin oil)	50g		T	9	5	2	6	11	0/100
10213	Oronite Polybutene 32*	—		C						50/200
10214	Oronite Polybutene 128*	—		C						50/200
10221	B,B,-Oxydipropionitrile	25g		M						20/100
10225	Phenyldiethanolamine	25g		A						00/150
10420	Poly-A-101A*	—		C	115	357	151	262	214	50/275
10421	Poly-A-103	10g		C	115	331	149	263	214	70/275
10423	Poly-I-110	10g		C	115	194	122	204	202	90/275
10424	Poly-S-176	3g		C						150/400
10425	Poly-S-179	3g		C						200/400
10233	Polyphenyl Ether (5 rings) OS-124	25g		C	176	227	224	306	283	20/200
10235	Polyphenyl Ether (6 rings)*			C	182	233	228	313	293	0/250
10237	Polypropylene Glycol	50g		M	128	294	173	264	226	0/150
10239	Polysulfone (Discontinued)*	—		C						250/315
10241	Polyvinylpyrrolidinone (PVP)	50g		M						20/200
10243	Propylene Glycol	50g		C						0/50
10247	Reoplex 400 (polyester)	50g		A	364	619	449	647	671	20/220
10244	Sebaconitrile	20g		C						0/150
—	Silicone AN-600*	—	OV®-225	A						20/300
1011	Silicone DC-11	50g	OV®-101	C	17	86	48	69	56	20/300
1010	Silicone DC-200, 350cstk	50g	OV®-101	C	16	57	45	66	43	20/200
1012	Silicone DC-200, 12,500 cstk	50g	OV®-101	C,T	16	57	45	66	43	0/200
1013	Silicone DC-410	50g		C	18	57	47	68	44	20/300
1014	Silicone DC-401	50g								
1015	Silicone DC-550	50g	OV®-7	C	81	124	124	189	145	20/225
1017	Silicone DC-704	50g		A						20/250
1018	Silicone DC-710	50g		A	107	149	153	228	90	20/225
1019	Silicone DC-HiVac Grease	50g								
1021	Silicone DC-QF-1	50g	OV®-210	A	144	233	355	463	305	20/250
1022	Silicone DC-FS-1265	50g	OV®-210	A	144	233	355	463	305	20/225

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 ① Benzene, ② Butanol, ③ 2-Pentanone, ④ Nitropropane, ⑤ Pyridine

Catalog Number	Description	Unit	Suggested Substitute	Solvent	McReynold's					°C Min/Max
					①	②	③	④	⑤	
1023	Silicone GE-SE-30	50g	OV®-1	C	15	53	44	64	41	50/300
1024	Silicone GE-SE-30 GC Grade	10g	OV®-1	C	15	53	44	64	41	50/350
1025	Silicone GE-SE-52	50g	OV®-73	C	32	72	65	98	67	50/300
1026	Silicone GE-SE-54	50g	OV®-73	C	33	72	66	99	67	100/300
1027	Silicone GE-SF-96	50g	OV®-101	C	12	53	42	61	37	20/250
1029	Silicone GE-XE-60	10g	OV®-225	A	204	381	340	493	367	20/250
1031	Silicone GE-XF-1150	25g								20/250
OV® LIQUID PHASES - MANUFACTURED SPECIFICALLY FOR GC USE										
1041	Silicone OV®-1	10g		T	16	55	44	65	42	100/350
1042	Silicone OV®-3	25g		A	44	86	81	124	88	20/350
1043	Silicone OV®-7	25g		A	69	113	111	171	128	20/350
1044	Silicone OV®-11	25g		A	102	142	145	219	178	0/350
1045	Silicone OV®-17	25g		A	119	158	162	243	202	20/350
1046	Silicone OV®-22	10g		A	160	188	191	283	253	20/350®
1047	Silicone OV®-25	10g		A	178	204	208	305	280	20/350
1048	Silicone OV®-61	10g		A	101	143	142	213	174	20/350
1049	Silicone OV®-73	10g		T	40	86	76	114	85	20/350
1050	Silicone OV®-101	20g		T	17	57	45	67	43	20/350
1051	Silicone OV®-105	10g		A	36	108	93	139	86	20/250
1052	Silicone OV®-202	10g		C	146	238	358	468	310	0/275
1053	Silicone OV®-210	25g		C	146	238	358	468	310	20/275
1057	Silicone OV®-215	10g		E	149	240	363	478	315	20/275
1054	Silicone OV®-225	10g		A	228	369	338	492	386	20/250
1055	Silicone OV®-275	5g		A	629	872	763	1106	849	20/275
1056	Silicone OV®-330	5g		A	222	391	273	417	368	30/250
1058	OV®-351 (Replaces FFAP)	10g		C	335	552	382	583	540	50/250
1059	Silicone OV®-1701	3g		A	67	170	153	228	171	20/325
1083	Silicone Silar 5CP	5g		C	319	495	446	637	531	50/275
1084	Silicone Silar 7CP	5g		C	440	638	605	844	673	50/275
1085	Silicone Silar 9CP	5g		C	489	725	631	910	778	50/275
1086	Silicone Silar 10C	5g		C	523	757	659	942	801	50/275
—	SP-2100*	—	OV®-101	T	17	57	45	67	43	20/350
—	SP-2250*	—	OV®-17	A	119	158	162	243	202	20/350
—	SP-2401*	—	OV®-202	C	146	238	358	468	310	0/275
—	SP-1000*	—	OV®-351	C	332	555	393	583	546	50/250
—	SP-2300*	—	Silar 5CP	C,A	316	495	446	637	530	50/275
—	SP-2310*	—	Silar 7CP	A	440	637	605	840	670	50/275
—	SP-2330*	—	Silar 9CP	A	490	725	630	913	778	50/275
—	SP-2340*	—	Silar 10C	A	520	757	659	942	800	50/275
1032	Silicone UCG L-45	50g	OV®-1							
1033	Silicone UCC W-98	50g	OV®-1							0/300
10323	Span 80 (sorbitan monooleate)	25g		T	97	266	170	216	268	20/150
10325	Squalane	50g		T	0	0	0	0	0	20/150
10326	STAP*	—	OV®-101		345	586	400	610	627	100/225
10327	Squalane	50g		T	152	341	238	329	344	20/150
10329	Sucrose Acetate Isobutyrate (SAIB)	25g		C	172	330	251	378	295	30/200
10335	Tergitol NPX	50g		C	197	380	258	389	351	10/175
10347	THEED	25g		M	463	942	626	801	893	20/125
10353	Tricresyl Phosphate	50g		M	176	321	250	374	299	20/125
10355	Triethanolamine	50g		M						25/75
10357	Trimer Acid*	—		M	94	271	163	182	378	20/200
10359	1,2,3-Tris(2-cyanoethoxy)propane (TCEP)	50g		M	594	857	759	1031	917	29/150
10361	Tris(tetrahydrofurfuryl)Phosphate*	—		A						20/125
10363	Triton X-100	50g		A	203	399	268	402	362	20/190
10365	Triton X-305	50g		A	262	467	314	488	430	20/250
10367	Tween 80	50g		M	227	430	283	438	396	20/160
10373	UCON LB-550-X	50g		M	118	271	158	243	206	20/200
10381	UCON 50-HB-280-X	50g		M	177	362	227	351	302	20/200
10383	UCON 50-HB-2000	50g		A	202	394	253	392	341	20/200
10385	UCON 50-HB-5100	50g		M	214	418	278	421	375	20/200
10389	Versamid 900	50g								190/275

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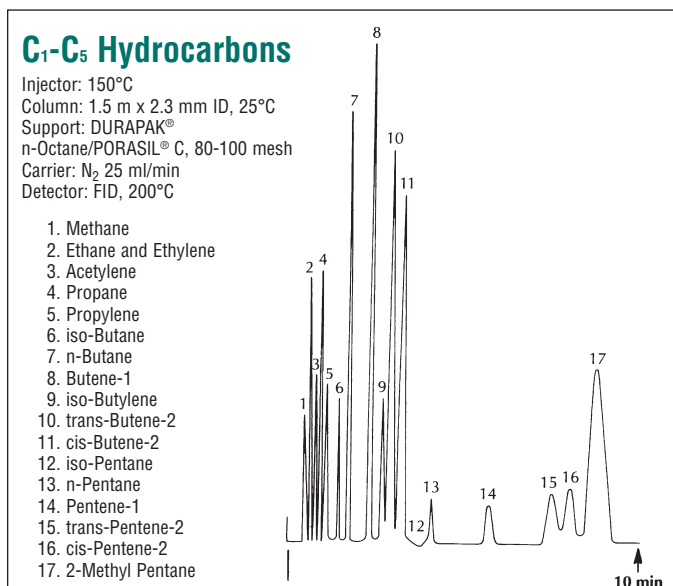
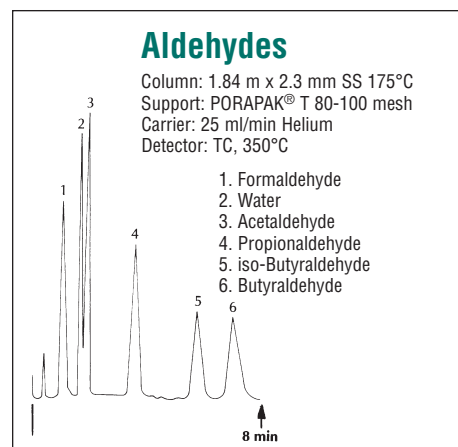
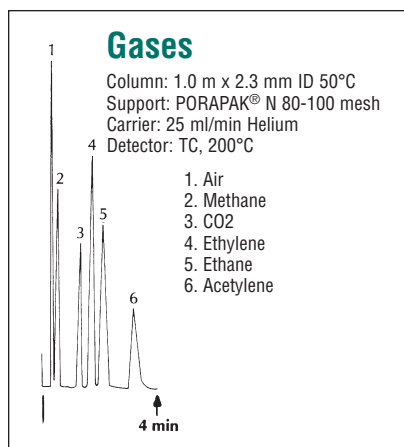
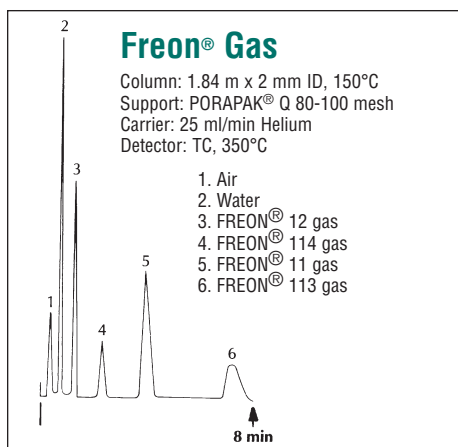
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Porous Polymers

Porapak

Porapak	Catalog Number			Weight
	50/80	80/100	100/120	
P	8501	8611	8721	20 grams
P-S	8502	8612	8722	20 grams
Q	8503	8613	8723	26 grams
Q-S	8504	8614	8724	26 grams
R	8505	8615	8725	24 grams
S	8506	8616	8726	26 grams
N	8507	8617	8727	29 grams
T	8508	8618	8728	31 grams

Porapak is supplied in packs sufficient to fill 10 columns 6' x 1/8" O.D.



Bonded Porous-Sil™ (75cc) formerly known as Durapak®

Catalog Number	Description	Mesh Size	Max Temp
8550	Carbowax 400/Porous-Sil C	80/100	200°C
8551	N-Octane/Porous-Sil C	80/100	175°C
8552	OPN/Porous-Sil C	80/100	150°C
—	C-18/Porous-Sil C (Disc.)	100/150	200°C
8554	Phenylisocyanate/Porous-Sil C	80/100	60°C

Porous-Sil™ (20gm) formerly known as Porasil

Porous-Sil	80/100 Catalog Number	100/150 Catalog Number
B	8802	8812
C	8803	8813

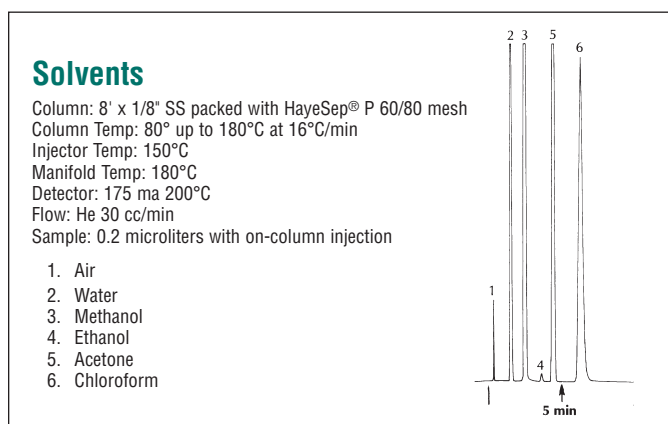
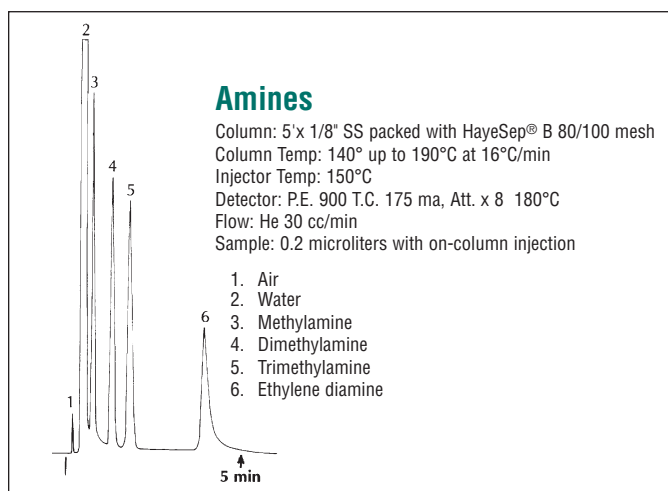
A note on Porous-Sil™

All Porasil Porous polymer products have been discontinued by The Waters Corporation. Ohio Valley now offers an identical product to the Porasil line.

Porous Polymers

Haysep® (75cc)

Catalog Number	Type	Mesh	MaOT
H8501	P	60/80	
H8611	P	80/100	250°C
H8721	P	100/120	
H8503	Q	60/80	
H8613	Q	80/100	275°C
H8723	Q	100/120	
H8505	R	60/80	
H8615	R	80/100	250°C
H8725	R	100/120	
H8506	S	60/80	
H8616	S	80/100	250°C
H8726	S	100/120	
H8507	N	60/80	
H8617	N	80/100	165°C
H8727	N	100/120	
H8508	T	60/80	
H8618	T	80/100	165°C
H8728	T	100/120	
H8001	A	60/80	
H8002	A	80/100	165°C
H8003	A	100/120	
H8004	B	60/80	
H8005	B	80/100	190°C
H8006	B	100/120	
H8007	C	60/80	
H8008	C	80/100	250°C
H8009	C	100/120	
H8010	D	60/80	
H8011	D	80/100	290°C
H8012	D	100/120	
H8013	DB	60/80	
H8014	DB	80/100	300°C
H8015	DB	100/120	



Tenax® (15 grams)

Based on 2, 6-diphenyl-p-phenylene oxide, Tenax is suitable for the separation of high boiling compounds such as alcohols, diols, polyethylene glycol compounds, phenols, mono and diamines, ethanolamines, amides, aldehydes, and ketones. MaOT: 350°C

Catalog Number	Description
8650	Tenax 35/60
8651	Tenax 60/80
8652	Tenax 80/100

Celite® Century Series (50 grams)

Mesh Size	101	102	103	Catalog Number 104	105	106	107	108
60/80	17424	27403	37434	Discontinued	57454	67457	77460	87463
80/100	17425	27404	37435	Discontinued	57455	67458	77461	87464
100/120	17426	27405	37436	Discontinued	57456	67459	77462	87465

Solid Supports

Abbreviations:

AW = Acid Washed

HP = High Performance

DMCS = Dimethyldichlorosilane

Chromosorb W (150 grams)

Mesh Size	NON-AW	Catalog Number		HP
		AW	AW-DMCS	
60/80	7701	7723	7733	7743
80/100	7702	7724	7734	7744
100/120	7703	7725	7735	7745

Chromosorb G (225 grams)

Mesh Size	NON-AW	Catalog Number		HP
		AW	AW-DMCS	
60/80	7801	7823	7833	7843
80/100	7802	7824	7834	7844
100/120	7803	7825	7835	7845

Chromosorb P (454 grams)

Mesh Size	NON-AW	Catalog Number	
		AW	AW-DMCS
60/80	7923	7933	7943
80/100	7924	7934	7944
100/120	7925	7935	7945

Chromosorb T (225 grams)

Mesh Size	Catalog Number
30/60	7523
40/60	7524

Chromosorb 750 (100 grams)

Mesh Size	Catalog Number
60/80	7623
80/100	7624
100/120	7625



Molecular Sieves (100 grams)

Description	Catalog Number
MOLECULAR SIEVE 4A	
40/60 mesh	5320
60/80 mesh	5323
80/100 mesh	5326
100/120 mesh	5330
MOLECULAR SIEVE 5A	
40/60 mesh	5333
60/80 mesh	5336
80/100 mesh	5339
100/120 mesh	5442
MOLECULAR SIEVE 13X	
40/60 mesh	5445
60/80 mesh	5448
80/100 mesh	5451
100/120 mesh	5454
ACTIVATED ALUMINA (Alcoa Type F-1)	
40/60 mesh	5457
60/80 mesh	5460
80/100 mesh	5463
100/120 mesh	5466
SILICA GEL (Davison Grade 12)	
40/60 mesh	5469
60/80 mesh	5472
80/100 mesh	5475
100/120 mesh	5478

