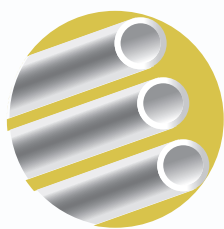
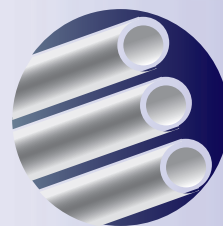


# Landscape and Irrigation PVC Pipes

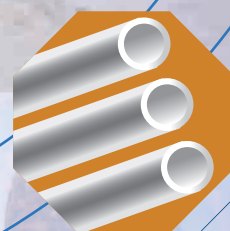
## PIPING SYSTEMS



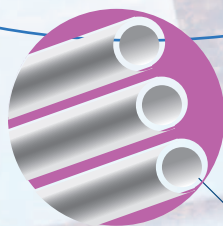
GAS SLEAVING



SEWER PIPE



SUNSTOP



WATERWARN

# The USP Advantage

PIPING SYSTEMS

## Your Competitive Edge

US Polymers Piping System division specializes in landscaping and irrigation pipe systems. Extruding in southern California since 1983, USP delivers its customers the greatest competitive advantage in the market place through the following key commitments:

- **Landscape & Irrigation Pipe Specialists**
- **Weekly Truck Routes To Store Locations or Job Sites**
- **Competitive Pricing**
- **Large Inventory Of Landscaping & Irrigation Pipes Always In Stock**
- **Flexible Line Scheduling To Meet Customer Projects and Changing Needs**
- **Contract and Specialty Project Extrusions**
- **In House Compounding Assures High Quality Standards**
- **Continuous QC Testing**
- **NSF and IAPMO Listed**

## Corporate Headquarters

DuraMax Building Products  
6915 East Slauson Ave, Commerce, CA 90040  
Toll Free: 800-483-1361  
Tel: 323-728-3023  
Fax: 323-727-6811  
[www.duramaxBP.com](http://www.duramaxBP.com)

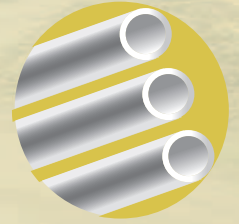
## Plant Address

5910 Bandini Blvd, Commerce, CA 90040  
Tel 323-727-6888





For Sleeving of Gas Pipes



GAS SLEEVING

## GAS SLEEVING PIPE

Gas Sleeving pipe is a yellow pigmented pipe manufactured from a rigid PVC compound.

These yellow color coded pipes are designed exclusively to sleeve over gas pipes and help in eliminating damage to gas lines during construction and excavation.

Belled End Solvent Weld PVC Pipe  
Schedule 40

- Cell Class 12454-B according to ASTM-D 1784 Type 1 Grade 1
- ASTM-D 2672 for solvent weld bell end pipe
- Available in belled ends
- Standard 20' Lengths
- Schedule 40 Diameters 1" to 6"

## Schedule 40 - Belled End

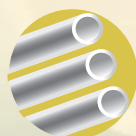
Diameter Size	OD Nominal	ID Nominal	Min Wall Thickness	Max Wall Thickness	Working Pressure	Wt Per 100 ft	Ft Per Lift	Wt Per Lift
1"	1.315	1.029	0.133	0.153	450	32.5	5506	1788
1 1/4"	1.66	1.36	0.14	0.16	370	43.4	4400	1910
1 1/2"	1.9	1.59	0.145	0.165	330	51.8	3360	1740
2"	2.375	2.047	0.154	0.174	280	69.6	2100	1462
4"	4.5	4.026	0.237	0.265	220	203.4	1140	1953
6"	6.625	6.065	0.28	0.314	160	358.5	520	1884

## GAS SLEEVING WARRANTY

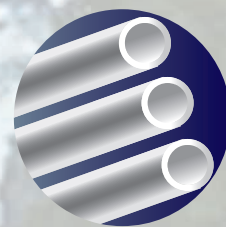
GAS SLEEVING PIPE is warranted to be free of manufacturing defects in material and workmanship and to meet and perform to the specifications and standards imprinted on the product for a period of 5 years from date of purchase. If GAS SLEEVING PIPE proves defective due to manufacturing process in material or workmanship during the warranty period, U.S. POLYMERS, INC. will provide new replacement units of the same type and size at not cost. No remedy will be granted under this warranty if GAS SLEEVING PIPE is not used and/or installed in accordance with ASTM-D2855 and accepted industry standards with respect to use of recommended primer, solvent cement and proper joining methods, and install in accordance with all Federal, State and Local codes or laws governing the installation of such product. This warranty does not extend to claims arising from the use of the product as conduit for the transport or storage of compressed air and other compressed gases, or other uses not recommended by PVC industry or misuse or improper handling and/or installation of the product, nor does it extend to any losses except the replacement of the defective units. In all events this warranty extends to material only, and U.S. POLYMERS, INC. shall not be liable for any installation labor of defective or replacement material.

Proof of purchase with the date thereof must be presented to the satisfaction of U.S. POLYMERS, INC. with any claim made pursuant to this warranty. This warranty is in lieu of all other implied and expressed warranties, which are merged into it and expire at the end of this warranty period. All claims must be processed through the claimant's seller, and no replacement will be allowed by U.S. POLYMERS, INC. unless the reported defect has been inspected and approved for replacement by wither U.S. POLYMERS, INC., its authorized agent, or its representative.

For Pricing Contact USP Customer Service at 1-800-483-1361



GAS SLEEVING



## SEWER PIPE

For Public And Municipal Gravity Sewer Systems

### SEWER PIPE

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Our Sewer Water Pipes are listed with the International Association of Plumbing And Mechanical Officials (IAPMO). These white colored pipes transport sewer water for many public and municipal applications.

The pipes are color coded in white and extruded from virgin PVC compounds. Each pipe is printed with pipe specifications (size, pressure rating, etc.) and Sewer.

#### Belled End Solvent Weld PVC Pipe SDR 35

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- Cell Class 12364 according to ASTM-D 1784
- ASTM-D 3034 for SDR 35 plain end pipe
- IAPMO listed
- Solvent weld belled end
- Standard 10' and 20' Lengths
- Diameters 4" and 6"



## SEWER SDR 35 - Plain End or Belled End 20 ft & 10 ft Lengths

Diameter Size	OD Nominal	Min Wall Thickness	Length	Wt Per 100 ft	Ft Per Lift	Wt Per Lift
4"	4.215	0.12	20'	101	1140	1151
4"	4.215	0.12	10'	101	570	575
6"	6.275	0.18	20'	234	520	1216
6"	6.275	0.18	10'	234	260	608

### SEWER PIPE WARRANTY

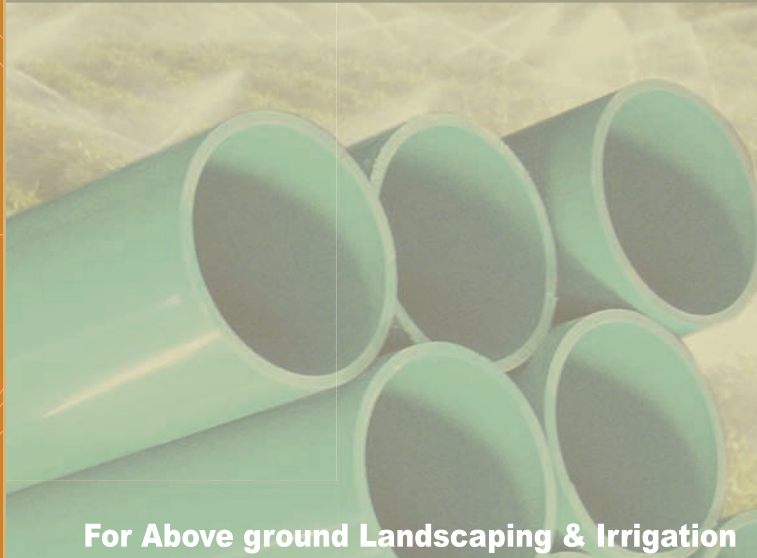
SEWER PVC PIPE is warranted to be free of manufacturing defects in material and workmanship and to meet and perform to the specifications and standards imprinted on the product for a period of 5 years from date of purchase. If SEWER PIPE proves defective due to manufacturing process in material or workmanship during the warranty period, U.S. POLYMERS, INC. will provide new replacement units of the same type and size at not cost. No remedy will be granted under this warranty if SEWER PIPE is not used and/or installed in accordance with ASTM-D2321 and accepted industry standards with respect to use of recommended primer, solvent cement and proper joining methods, and install in accordance with all Federal, State and Local codes or laws governing the installation of such product. This warranty does not extend to claims arising from the use of the product as conduit for the transport or storage of compressed air and other compressed gases, or other uses not recommended by PVC industry or misuse or improper handling and/or installation of the product, nor does it extend to any losses except the replacement of the defective units. In all events this warranty extends to material only, and U.S. POLYMERS, INC. shall not be liable for any installation labor of defective or replacement material.

Proof of purchase with the date thereof must be presented to the satisfaction of U.S. POLYMERS, INC. with any claim made pursuant to this warranty. This warranty is in lieu of all other implied and expressed warranties, which are merged into it and expire at the end of this warranty period. All claims must be processed through the claimant's seller, and no replacement will be allowed by U.S. POLYMERS, INC. unless the reported defect has been inspected and approved for replacement by wither U.S. POLYMERS, INC., its authorized agent, or its representative.

For Pricing Contact USP Customer Service at 1-800-483-1361



SEWER PIPE



**For Above ground Landscaping & Irrigation**

## **SUNSTOP Irrigation Pipes**

Our PVC-UVR pipe compounds coded HARWAL PRE is the most technologically advanced in the world. It was developed by technical engineers both in the U.S. and abroad to satisfy the growing need for higher quality, above ground irrigation pipe. This pipe is brown in color manufactured to carry potable water. After several years of field testing in the world's hottest deserts, this pipe is unique in its properties.

Listed by the national Sanitary Foundation (NSF) SUNSTOP PVC UVR Plastic Pipe has gone through stringent test by Gas and Mechanical Laboratories in Los Angeles to meet the listing requirements of the International Association of Plumbing And Mechanical Officials (IAPMO).

- Cell classification 12454-B, according to ASTM-D 1784 Type 1 grade 1
- ASTM-D 1785 for plain end pipe
- ASTM-D 2672 for solvent weld end pipe
- Standard 20' lengths
- Diameters from 1/2" to 6"

### Cell Class Illustration

### Class I.D.

Polyvinyl Chloride	1
Homopolmer Impact Strength (IZOD).065 Ft. Lbs. In.	2
Tensile Strength 7,000 PSI	4
Modulus of Elasticity In tension 400,000 PSI	5
Deflection Temp. Under load 158° F	4
Chemical Resistance	B

A. H<sub>2</sub>SO<sub>4</sub> (93%) 14 day  
Immersion @ 55 ± 2°C  
Change of weight:  
Increase max - 5.0%  
Decrease max 0.1%

B. Change in flexural yield strength:  
Increase max 5.0%  
Decrease max 25.0%

C. ASTM Oil # 3- 30 day immersion at 23°C  
Change in weight:  
Increase max 1.0%  
Decrease max 1.0%

### Recommended Practice of Making Solvent Cemented Joints

To consistently make good joints the following should be clearly understood and adhered to:

- The joining surfaces must be softened (dissolved) and made semi-fluid.
- Sufficient cement must be applied to fill the gap between pipe and fitting.
- Assembly of pipe and fitting must be made while the surfaces are still wet and fluid.
- Joint strength develops as the cement dries. In the tight part of the joint the surfaces will tend to fuse together; in the loose part the cement will bond to both surfaces.
- Penetration and dissolving can be achieved by the cement itself. We recommend both primer and cement. This will dissolve the plastic more quickly than cement alone, resulting in better fusion. In cold weather additional application of primer is required to adequately soften the surfaces to be bonded.

Excessive run-off of primer and glue on the outside or inside of adjoining the bell can cause weakening of the burst strength of the pipe. Care must be taken to assure this does not occur.

Only a sufficient amount primer to soften the adjoining surfaces will be used. Sufficient cement to fill the loose part of the joint must be applied. Besides filling the gap, adequate cement layers will penetrate the surfaces and also remain wet until joint is assembled.

- If the primer and cement coatings on the pipe and fitting are wet and fluid when assembly takes place, they will tend to flow together and become one cement layer. Also, if the cement is wet the surfaces beneath them will still be soft, and these dissolved surfaces in the tight part of the joint will tend to fuse together.
- As the solvent dissipates, the cement layer and the dissolved surfaces will harden with a corresponding increase in joint strength. A good joint will take the required working pressure long before the joint is fully dry, and final strength is obtained. In the tight (fused) part of the joint, strength will develop more quickly than in the looser (bonded) part of the joint. Completed joints should not be disturbed until they have cured sufficiently to withstand handling. Joint strength develops as the cement dries.

### SUNSTOP WARRANTY

SUNSTOP PVC-UVR PIPE is warranted to be free of manufacturing defects in material and workmanship and to meet and perform to the specifications and standards imprinted on the product for a period of 5 years from date of purchase. If PVC-UVR Pipe proves inadequate due to manufacturing defects in material or workmanship during the warranty period, U.S. POLYMERS, INC. will provide new replacement units of the same type and size at no cost. No remedy will be granted under this warranty if the PVC-UVR Pipe is not used and/or installed in accordance with ASTM-2855 and accepted industry standards with respect to use of recommended primer, solvent cement and proper joining methods, and installed in accordance with all Federal, State and Local codes or laws governing the installation of such product. This warranty does not extend to claims arising from the use of the products as conduit for the transport or storage of compressed air or other compressed gases, or other uses not recommended by the PVC industry or misuse or improper handling and/or installation of the product, nor does it extend to any losses except the replacement of the defective units. In all events this warranty extends to material only, and U.S. POLYMERS, INC. shall not be liable for any installation labor of defective or replacement material.

Proof of purchase with the date thereof must be presented to satisfaction of U.S. POLYMERS, INC. with any claim made pursuant to this warranty. This warranty is in lieu of all other implied and expressed warranties, which are merged into it and expire at the end of this warranty period. All claims must be processed through the claimant's seller, and no replacement will be allowed by U.S. POLYMERS, INC. unless the reported defect has been inspected and approved for replacement by either U.S. POLYMERS, INC., its authorized agent, or its representative.

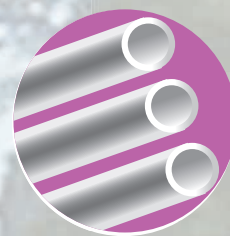
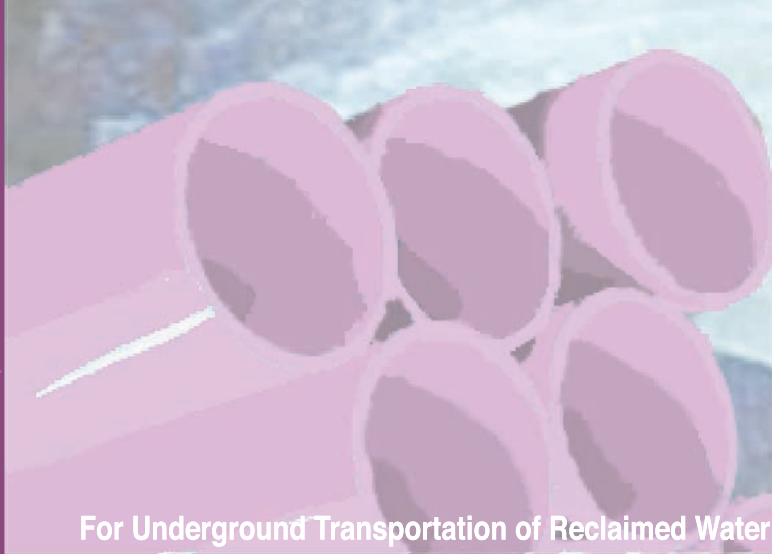




**Schedule 40 - Plain End Or Belled  
20 ft Lengths**

Diameter Size	OD Nominal	ID Nominal	Min Wall Thickness	Max Wall Thickness	Working Pressure	Wt Per 100 ft	Ft Per Lift	Wt Per Lift
1/2"	0.840	0.602	0.108	0.129	600	16.5	7200	1188
3/4"	1.050	0.804	0.113	0.133	480	21.9	7000	1533
1"	1.315	1.029	0.133	0.153	450	32.5	5500	1788
1 1/4"	1.660	1.360	0.140	0.160	370	43.4	4400	1910
1 1/2"	1.900	1.590	0.145	0.165	330	51.8	3360	1740
2"	2.375	2.047	0.154	0.174	280	69.6	2100	1462
2 1/2"	2.875	2.445	0.203	0.227	300	110	1500	1650
3"	3.500	3.042	0.216	0.242	260	144	1200	1728
4"	4.500	4.026	0.237	0.265	220	203.4	1140	2319
6"	6.525	6.065	0.280	0.314	180	358.5	520	1864

For Pricing Contact USP Customer Service at 1-800-483-1361



**WATERWARN**

For Underground Transportation of Reclaimed Water

## **WATERWARN Reclaimed Water Pipes**

Listed with the National Sanitary Foundation (NSF) these purple colored pipes are manufactured from rigid PVC compound for reclaimed water applications including golf courses and landscaping.

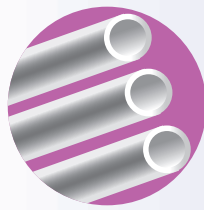
These color-coded pipes are designed exclusively to transport reclaimed water and eliminate problems that may arise from cross contamination with domestic potable water supply. As an extra safety precaution one side of the pipe is printed with pipe specifications (size, pressure rating, etc.) and both sides are printed with a warning that reads "WATERWARN- Caution: Reclaimed Water"

### **Belled End Solvent Weld PVC Pipe Schedule 40, Class 200, Class 315**

- Cell Class 12454-B according to ASTM-D 1784 Type 1 Grade 1
- ASTM-D 1785 for plain end pipe
- ASTM-D 2672 for solvent weld bell end pipe
- Available in plain or belled ends
- Standard 20' Lengths
- Schedule 40 Diameters 1/2" to 6"
- Class 200 Diameters 3/4" to 6"
- Class 315 (SDR-13.5) Diameters 1/2" to 4"

### **Gasketed (O'Ring) PVC Pipe**

- Cell Class 12454 B according to ASTM -D 1784 Type 1 Grade 1
- Gasketed pipes meet ASTM-D 3139
- Available in Gasketed ends
- Standard 20' Lengths
- Diameters 2 1/2", 3", 4", 6"



# WATERWARN

## Schedule 40 - Belled End

Diameter Size	OD Nominal	ID Nominal	Min Wall Thickness	Max Wall Thickness	Working Pressure	Wt Per 100 ft	Ft Per Lift	Wt Per Lift
1/2"	0.84	0.602	0.109	0.129	600	16.5	7200	1188
3/4"	1.05	0.804	0.113	0.133	480	21.9	7000	1533
1"	1.315	1.029	0.133	0.153	450	32.5	5506	1788
1 1/4"	1.66	1.36	0.14	0.16	370	43.4	4400	1910
1 1/2"	1.9	1.59	0.145	0.165	330	51.8	3360	1740
2"	2.375	2.047	0.154	0.174	280	69.6	2100	1462
2 1/2"	2.875	2.445	0.203	0.227	300	110	1500	1650
3"	3.6	3.042	0.218	0.242	250	144	1200	1728
4"	4.5	4.026	0.237	0.265	220	203.4	1140	1953
6"	6.625	6.065	0.28	0.314	160	358.5	520	1884

## Belled End PVC Pipe/ Gasketed PVC Class 200 PSI

Diameter Size	OD Nominal	ID Nominal	Min Wall Thickness	Max Wall Thickness	Working Pressure	Wt Per 100 ft	Ft Per Lift	Wt Per Lift
3/4"	1.05	0.926	0.06	0.08	200	13.1	7000	917
1"	1.315	1.189	0.063	0.083	200	17.4	5500	957
1 1/4"	1.66	1.502	0.079	0.099	200	26.7	4400	1131
1 1/2"	1.9	1.72	0.109	0.11	200	34.3	3360	1152
2"	2.375	2.149	0.113	0.133	200	52.8	2100	1109
2 1/2"	2.875	2.601	0.137	0.157	200	76.5	1500	1148
3"	3.5	3.166	0.167	0.187	200	112	1200	1344
4"	4.5	4.072	0.214	0.24	200	186	1140	2120
6"	6.625	5.993	0.315	0.354	200	402	520	2090

## Belled End PVC Pipe PVC Class 315 PSI, SDR-13.5"

Diameter Size	OD Nominal	ID Nominal	Min Wall Thickness	Max Wall Thickness	Working Pressure	Wt Per 100 ft	Ft Per Lift	Wt Per Lift
1/2"	0.84	0.716	0.062	0.082	315	10.6	7200	763
2"	2.375	2.023	0.176	0.196	315	78.1	2100	1640
2 1/2"	2.875	2.601	0.137	0.157	315	114.2	1500	1713
3"	3.5	3.166	0.167	0.187	315	170.2	1200	2042
4"	4.5	3.834	0.335	0.373	315	279.5	960	2683

#### WATERWARN WARRANTY

WATERWARN PVC PIPE is warranted to be free of manufacturing defects in material and workmanship and to meet and perform to the specifications and standards imprinted on the product for a period of 5 years from date of purchase. If WATERWARN proves defective due to manufacturing process in material or workmanship during the warranty period, U.S. POLYMERS, INC. will provide new replacement units of the same type and size at not cost. No remedy will be granted under this warranty if WATERWARN is not used and/or installed in accordance with ASTM-2855 and accepted industry standards with respect to use of recommended primer, solvent cement and proper joining methods, and install in accordance with all Federal, State and Local codes or laws governing the installation of such product. This warranty does not extend to claims arising from the use of the product as conduit for the transport or storage of compressed air and other compressed gases, or other uses not recommended by PVC industry or misuse or improper handling and/or installation of the product, nor does it extend to any losses except the replacement of the defective units. In all events this warranty extends to material only, and U.S. POLYMERS, INC. shall not be liable for any installation labor of defective or replacement material.

Proof of purchase with the date thereof must be presented to the satisfaction of U.S. POLYMERS, INC. with any claim made pursuant to this warranty. This warranty is in lieu of all other implied and expressed warranties, which are merged into it and expire at the end of this warranty period. All claims must be processed through the claimant's seller, and no replacement will be allowed by U.S. POLYMERS, INC. unless the reported defect has been inspected and approved for replacement by wither U.S. POLYMERS, INC., its authorized agent, or its representative.



**WATERWARN**



# Terms & Conditions

Amounts due as a result of any and all purchases hereafter made by \_\_\_\_\_ (hereinafter "Customer") from U.S. POLYMERS INC. (hereinafter "Supplier") will be paid to Supplier on the following terms and conditions:

<b>Terms</b>	Due and payable in full within 30 days from date of invoice unless otherwise agreed upon in writing.
<b>Late Payments</b>	Past due amounts are subject to late payment service charges of 1 ½ % per month, which is an annual rate of 18%, or the maximum rate allowed by law whichever is greater.
<b>Pricing</b>	All prices are subject to change without notification. All prices are NET. All payments are to be made to U.S. Polymers Inc. in U.S. Dollars at 6915 E. Slauson Ave, Commerce, California 90040 in immediately available funds, U.S. dollars only.
<b>Bad Checks &amp; C.O.D</b>	A service charge of \$20.00 will be applied to each returned check. Accounts 60 days old will be placed on C.O.D.
<b>Returns</b>	All returns and credits must be preauthorized in writing, and include a Returned Goods Authorization number. No returned goods will be accepted without authorization and freight charges must be prepaid. Goods returned for credit must show shipping order number. Credits will be issued on returns & applied to future purchases only.
<b>Claims</b>	Customer assumes full responsibility of all goods when goods are recieved and signed for by Customer or Agent (including any damage claims).
<b>Restocking Charge Title</b>	A handling or restocking charge will be made on all goods returned unless due to error caused by Supplier. Customer acknowledges and agrees that Customer does not acquire any right to sell, assign or dispose of merchandise until it is entirely paid for and that in the case of default of payment, Supplier its agents and assigns, are hereby authorized to take possession of and remove sold merchandise, on Customer's business premises or elsewhere, without demand or notice of any kind.
<b>Failure to Pay or Insolvency</b>	Failure by Customer to pay any part of the purchase price when due, or in the event that proceedings in bankruptcy, receivership, or insolvency are instituted by or against Customer or his property, Supplier may, at its option, cause the entire unpaid balance to become due and immediately payable.
<b>Entire Agreement</b>	This agreement covers all materials which Customer may hereafter acquire at any time from Supplier. This Contract constitutes the entire Agreement with Supplier. No waivers or modifications shall be valid unless the same are in writing and executed by the parties hereto. This contract shall apply and accrue to the benefit of, and be binding upon, the heirs, executors, administrators, successors and assigns of the respective parties.
<b>Litigation</b>	In the event of any litigation arising out of this agreement, Supplier shall be entitled to recover its reasonable costs and expenses incurred including attorney's fees.
<b>State Laws</b>	This Purchase Agreement shall be governed by the laws of the State Of California.
<b>Venue and Jurisdiction</b>	Customer agrees that any suit, action or proceeding arising out of or relating to the interpretation, performance or breach of these Terms and Conditions, shall be instituted in the Superior Court of the State of California located in Los Angeles County, and Customer irrevocably submits to the jurisdiction of those courts and waives any and all objections to jurisdictions or venue that it may have under the laws of the State Of California or otherwise in those courts in any such suit, action or proceeding.
<b>Remedies</b>	Supplier and Customer have all remedies afforded to each by the Uniform Commercial Code.
<b>Amendment &amp; Waiver</b>	These Terms and Conditions may be amended, modified or supplemented only by a writing executed by Supplier. Supplier may in a writing waive any provision of these Terms and Conditions to the extent such provision is for the benefit of the waiving party. No action taken by Supplier shall be deemed to constitute a waiver by Supplier of any provisions hereof.
<b>Receipt of a Copy</b>	Customer hereby acknowledges the receipt of a copy of this Agreement at the time of its execution.