

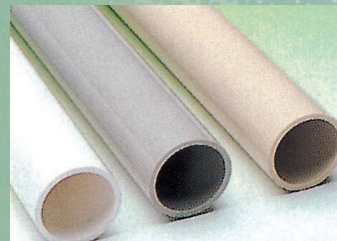
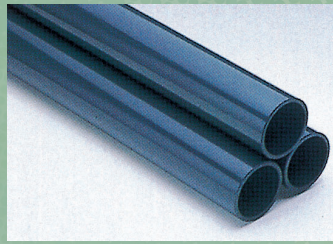
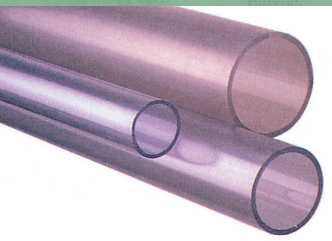


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UPVC SCH80 / SCH40 直管規格  
CPVC SCH80 / SCH40 直管規格

- ★ 專營各類塑膠管件副品
- ★ 代理全球知名領導品牌
- ★ 提供優質多樣之產品
- ★ 堅持一貫之服務與效率



永晨實業有限公司  
SUPERTUNG INDUSTRIAL CO.,LTD.



## ASTM標準SCH40/SCH80規格 UPVC直管

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### ★SCH40、SCH80規格UPVC直管物性表

試驗項目	品質標準
長期水壓試驗Sustained Pressure	符合ASTM D1785，如下表所示
爆破水壓試驗Burst Pressure	符合ASTM D1785，如下表所示
壓扁試驗Flattening	符合ASTM D1785，加壓內徑變形至原來40%時，不破裂
膠化試驗Extrusion Quality	符合ASTM D1785

### ★SCH40、SCH80規格UPVC直管之各種耐水壓力值比較表

單位Unit：PSI (MPa)

標稱管徑 Size	SCH40			SCH80		
	長期水壓試驗值 Sustained Pressure	爆破水壓試驗值 Burst Pressure	使用操作壓力 Water Pressure Rating	長期水壓試驗值 Sustained Pressure	爆破水壓試驗值 Burst Pressure	使用操作壓力 Water Pressure Rating
3/8"	1310(9.03)	1990(13.72)	620(4.27)	1930(13.31)	2940(20.27)	920(6.34)
1/2"	1250(8.62)	1910(13.17)	600(4.14)	1780(12.27)	2720(18.76)	850(5.86)
3/4"	1010(6.96)	1540(10.62)	480(3.31)	1440(9.93)	2200(15.17)	690(4.76)
1"	950(6.55)	1440(9.93)	450(3.10)	1320(9.10)	2020(13.93)	630(4.34)
1-1/4"	770(5.31)	1180(8.14)	370(2.55)	1090(7.52)	1660(11.45)	520(3.59)
1-1/2"	690(4.76)	1060(7.31)	330(2.28)	990(6.83)	1510(10.41)	470(3.24)
2"	580(4.00)	890(6.14)	280(1.93)	850(5.86)	1290(8.89)	400(2.76)
2-1/2"	640(4.41)	970(6.69)	300(2.07)	890(6.14)	1360(9.38)	420(2.90)
3"	590(4.07)	840(5.79)	260(1.79)	790(5.45)	1200(8.27)	370(2.55)
4"	470(3.24)	710(4.90)	220(1.52)	680(4.69)	1040(7.17)	320(2.21)
5"	410(2.83)	620(4.27)	190(1.31)	610(4.21)	930(6.41)	290(2.00)
6"	370(2.55)	560(3.86)	180(1.24)	590(4.07)	890(6.14)	280(1.93)
8"	330(2.28)	500(3.45)	160(1.10)	520(3.59)	790(5.45)	250(1.72)
10"	300(2.07)	450(3.10)	140(0.97)	490(3.38)	750(5.17)	230(1.59)
12"	280(1.93)	420(2.90)	130(0.90)	480(3.31)	730(5.03)	230(1.59)
14"	270(1.89)	410(2.87)	130(0.90)	470(3.29)	720(4.97)	220(1.54)
16"	270(1.89)	410(2.87)	130(0.90)	470(3.29)	710(4.90)	220(1.54)

註：(1)以上資料來源：ASTM D1785

(2)試驗溫度為73°F(23°C)。

(3)SCH80之使用操作壓力係指無螺牙之管路。

Remarks：(1)The above data comes from ASTM D1785.

(2)Testing temperature is 73°F(23°C).

(3)SCH80 Water Pressure rating means unthread piping.



## UPVC管路/CPVC管路之使用溫度與操作壓力對照表

### Temperature Pressure De-rating for UPVC/CPVC Thermoplastic Materials

Elevated temperature fluid mediums require a de-rating of thermoplastic pipe maximum internal pressure ratings at 73°F. To determine the maximum internal pressure rating at an elevated temperature, simply multiply the product pressure rating at 73°F by the percentages specified for the desired temperature.

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下表係以常溫73°F(23°C)時，UPVC管路/CPVC管路之使用操作壓力為100%，隨著使用溫度升高，其操作壓力殘餘的百分比。

System Operating Temperature °F(°C) 管線使用溫度	73 (23)	80 (27)	90 (32)	100 (38)	110 (43)	120 (49)	130 (54)	140 (60)	150 (66)	160 (71)	170 (77)	180 (82)	190 (88)	200 (93)	210 (99)
UPVC	100%	90%	75%	62%	50%	40%	30%	22%	-0-	-0-	-0-	-0-	-0-	-0-	-0-
CPVC	100%	100%	91%	82%	73%	65%	57%	50%	45%	40%	32%	25%	22%	20%	-0-

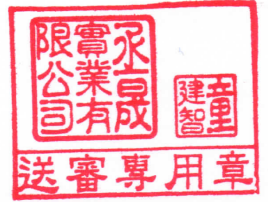
註：有螺牙的管路，UPVC部份不得超過110°F(43°C)；CPVC部份不得超過150°F(66°C)。

NOTE: Threaded products should not be used at temperatures above 110°F(43°C) for UPVC, and 150°F(66°C) for CPVC.



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## ASTM標準 SCH80 / SCH40 UPVC直管規格表 ASTM Specifications for SCH80 / SCH40 UPVC Pipes



單位：英吋 (公厘) Unit : Inch (mm)

標稱管徑 Nominal Pipe Size	外徑及公差 Outside Diameter and Tolerance	UPVC SCH80			UPVC SCH40		
		厚度 Wall Thickness	公差 Tolerance	參考重量 Approx. Weight (Kg/M)	厚度 Wall Thickness	公差 Tolerance	參考重量 Approx. Weight (Kg/M)
3/8"	0.675 ± 0.004 (17.14 ± 0.10)	0.126 (3.20)	+0.020 (+0.51)	0.211	0.091 (2.31)	+0.020 (+0.51)	0.167
1/2"	0.840 ± 0.004 (21.34 ± 0.10)	0.147 (3.73)	+0.020 (+0.51)	0.313	0.109 (2.77)	+0.020 (+0.51)	0.244
3/4"	1.050 ± 0.004 (26.67 ± 0.10)	0.154 (3.91)	+0.020 (+0.51)	0.424	0.113 (2.87)	+0.020 (+0.51)	0.324
1"	1.315 ± 0.005 (33.40 ± 0.13)	0.179 (4.55)	+0.021 (+0.53)	0.624	0.133 (3.38)	+0.020 (+0.51)	0.482
1-1/4"	1.660 ± 0.005 (42.16 ± 0.13)	0.191 (4.85)	+0.023 (+0.58)	0.862	0.140 (3.56)	+0.020 (+0.51)	0.653
1-1/2"	1.900 ± 0.006 (48.26 ± 0.15)	0.200 (5.08)	+0.024 (+0.61)	1.043	0.145 (3.68)	+0.020 (+0.51)	0.781
2"	2.375 ± 0.006 (60.32 ± 0.15)	0.218 (5.54)	+0.026 (+0.66)	1.442	0.154 (3.91)	+0.020 (+0.51)	1.049
2-1/2"	2.875 ± 0.007 (73.02 ± 0.18)	0.276 (7.01)	+0.033 (+0.84)	2.201	0.203 (5.16)	+0.024 (+0.61)	1.664
3"	3.500 ± 0.008 (88.90 ± 0.20)	0.300 (7.62)	+0.036 (+0.91)	2.945	0.216 (5.49)	+0.026 (+0.66)	2.177
4"	4.500 ± 0.009 (114.30 ± 0.23)	0.337 (8.56)	+0.040 (+1.02)	4.303	0.237 (6.02)	+0.028 (+0.71)	3.099
5"	5.563 ± 0.010 (141.30 ± 0.25)	0.375 (9.52)	+0.045 (+1.14)	5.915	0.258 (6.55)	+0.031 (+0.79)	4.169
6"	6.625 ± 0.011 (168.28 ± 0.28)	0.432 (10.97)	+0.052 (+1.32)	8.208	0.280 (7.11)	+0.034 (+0.86)	5.451
8"	8.625 ± 0.015 (219.08 ± 0.38)	0.500 (12.70)	+0.060 (+1.52)	12.404	0.322 (8.18)	+0.039 (+0.99)	8.202
10"	10.750 ± 0.015 (273.50 ± 0.38)	0.593 (15.06)	+0.071 (+1.80)	18.414	0.365 (9.27)	+0.044 (+1.12)	11.629
12"	12.750 ± 0.015 (323.85 ± 0.38)	0.687 (17.45)	+0.082 (+2.08)	25.336	0.406 (10.31)	+0.049 (+1.24)	15.376
14"	14.000 ± 0.015 (355.60 ± 0.38)	0.750 (19.05)	+0.090 (+2.29)	30.260	0.437 (11.10)	+0.053 (+1.35)	18.086
16"	16.000 ± 0.019 (406.40 ± 0.48)	0.843 (21.41)	+0.101 (+2.57)	38.902	0.500 (12.70)	+0.060 (+1.52)	23.627

備註：

1. 材質符合ASTM D1784 PVC1120(Cell Classification 12454)標準。
2. 尺寸、測試要求與品質符合ASTM D1785標準。
3. 不可使用於輸送壓縮空氣或氣體。
4. 不可使用壓縮空氣或氣體測試任何PVC或CPVC熱塑性管材或管道系統，請勿使用由壓縮空氣或氣體驅動的設備來清理系統。這些行為可能導致系統中的管材爆裂，而對人身造成嚴重甚至致命的傷害。