



uPVC  
**DUCTS &  
CONDUITS**

# uPVC DUCTS & CONDUITS



uPVC ducts and conduits are manufactured from unplasticised polyvinyl chloride polymer.

uPVC ducts and conduits are available in diameters from 20mm to 400mm. Socketed for solvent-weld joinery.

A full range of accessories is available including:

- bends
- couplers
- end-caps
- bell-mouths

OMANPLAST™ uPVC ducts and conduits are suitable for the following applications:

- Electrical
- Telephone
- Communications
- Other duct & conduit applications

**Main Features:**

- Reliability and proven service performance.
- Complete plastic system.
- Smooth bore for easy cable drawing.
- Minimal maintenance.
- Lightweight which makes it easy to handle and install, resulting in reduced laying costs.
- Manufactured according to International standards.

## PVC-U NON PRESSURE PIPE TO BS: 3506 (CLASS O) 1969

**Standard Length:** 6 Metres

**Colour:** Grey

**Socket Type:** Solvent Weld

| Nominal Size<br>Inch | Outside Diameter |        | Wall Thickness |        |
|----------------------|------------------|--------|----------------|--------|
|                      | Min/mm           | Max/mm | Min/mm         | Max/mm |
| 1 1/2                | 48.1             | 48.4   | 1.8            | 2.2    |
| 2                    | 60.2             | 60.5   | 1.8            | 2.2    |
| 3                    | 88.7             | 89.1   | 1.8            | 2.2    |
| 4                    | 114.1            | 114.5  | 2.3            | 2.8    |
| 6                    | 168.0            | 168.5  | 3.1            | 3.7    |
| 8                    | 218.8            | 219.4  | 3.1            | 3.7    |
| 10                   | 272.6            | 273.4  | 3.1            | 3.7    |
| 12                   | 323.4            | 324.3  | 3.1            | 3.7    |

## PVC-U NON PRESSURE PIPE TO BS: 3506 (CLASS B, C, D & E) 1969

**Standard Length:** 6 Metres

**Colour:** Dark Grey

**Socket Type:** Solvent Weld

| Nominal Size<br>Inch | Outside Diameter |        | Wall Thickness<br>Class B |        | Wall Thickness<br>Class C |        | Wall Thickness<br>Class D |        | Wall Thickness<br>Class E |        |
|----------------------|------------------|--------|---------------------------|--------|---------------------------|--------|---------------------------|--------|---------------------------|--------|
|                      | Min/mm           | Max/mm | Min/mm                    | Max/mm | Min/mm                    | Max/mm | Min/mm                    | Max/mm | Min/mm                    | Max/mm |
| 2                    | 60.2             | 60.5   | -                         | -      | 2.5                       | 3.0    | 3.1                       | 3.7    | 3.9                       | 4.5    |
| 3                    | 88.7             | 89.1   | 2.9                       | 3.4    | 3.5                       | 4.1    | 4.6                       | 5.3    | 5.7                       | 6.6    |
| 4                    | 114.1            | 114.5  | 3.4                       | 4.0    | 4.5                       | 5.2    | 6.0                       | 6.9    | 7.3                       | 8.4    |
| 6                    | 168.0            | 168.5  | 4.5                       | 5.2    | 6.6                       | 7.6    | 8.8                       | 10.2   | 10.8                      | 12.5   |
| 8                    | 218.8            | 219.4  | 5.3                       | 6.1    | 7.8                       | 9.0    | 10.3                      | 11.9   | 12.6                      | 14.5   |
| 10                   | 272.6            | 273.4  | 6.6                       | 7.6    | 9.7                       | 11.2   | 12.8                      | 14.8   | 15.7                      | 18.1   |
| 12                   | 323.4            | 324.3  | 7.8                       | 9.0    | 11.5                      | 13.3   | 15.2                      | 17.5   | 18.7                      | 21.6   |

## PVC-U TELEPHONE DUCT DIN 8061/8062 SERIES 3 OMANTEL/OOREDOO

**Standard Length:** 6 Metres

**Colour:** Grey/ Black

**Socket Type:** Solvent Weld

| Nominal Size<br>mm | Outside Diameter<br>mm | Wall Thickness<br>mm |
|--------------------|------------------------|----------------------|
| 50                 | 50.0                   | 1.8                  |
| 100                | 110.0                  | 3.2                  |

## PVC-U TELEPHONE DUCT BRITISH STANDARD BPO - LN 173

**Standard Length:** 5.8 / 6 Metres

**Colour:** Black

**Socket Type:** Solvent Weld

| Duct No | Outside Diameter<br>mm | Tolerance<br>mm | Wall Thickness<br>mm | Tolerance<br>mm |
|---------|------------------------|-----------------|----------------------|-----------------|
| 56      | 53.9                   | ± 0.1           | 1.55                 | + 0.15          |
| 56A     | 56.6                   | ± 0.3           | 3.25                 | + 0.2           |
| 54D     | 96.5                   | ± 0.2           | 3.25                 | + 0.2           |
| 57      | 114.3                  | ± 0.2           | 3.4                  | + 0.4           |
| 57A     | 114.3                  | ± 0.2           | 4.5                  | + 0.4           |

# UPVC CONDUIT TUBING

## TO NEMA TC 6 & 8

**Standard Length:** 6 Metres

**Colour:** Grey/ Black

**Socket Type:** Solvent Weld

| Trade Size | Nominal Size | Outside Diameter |         |         | Wall Thickness |         | Wall Thickness |         | Wall Thickness |         |
|------------|--------------|------------------|---------|---------|----------------|---------|----------------|---------|----------------|---------|
|            |              |                  |         |         | DB - 60        |         | DB - 100       |         | DB - 120       |         |
| Inch       |              | Average          | Minimum | Maximum | Minimum        | Maximum | Minimum        | Maximum | Minimum        | Maximum |
| 1          | 27           | 33.81            | 33.68   | 33.94   | -              | -       | -              | -       | 1.52           | 2.28    |
| 1 1/2      | 41           | 48.26            | 48.11   | 48.41   | 1.52           | 2.28    | -              | -       | 1.65           | 2.41    |
| 2          | 53           | 60.33            | 60.18   | 60.48   | 1.65           | 2.41    | -              | -       | 2.11           | 2.87    |
| 3          | 78           | 88.90            | 88.70   | 89.10   | 2.54           | 3.30    | 3.07           | 3.83    | 3.23           | 3.99    |
| 4          | 103          | 114.30           | 114.07  | 114.53  | 3.33           | 4.09    | 3.94           | 4.70    | 4.22           | 4.98    |
| 6          | 155          | 168.28           | 168.0   | 168.56  | 4.98           | 5.74    | 5.82           | 6.58    | 6.20           | 6.96    |

# UPVC CONDUIT & TUBING

## NEMA TC 2 SCHEDULE 40 & 80

**Standard Length:** 6 Metres

**Colour:** Dark Grey

**Socket Type:** Solvent Weld

| Trade Size | Nominal Size | Outside Diameters |         |         | Wall Thickness |           | Inside Diameters |          |
|------------|--------------|-------------------|---------|---------|----------------|-----------|------------------|----------|
|            |              |                   |         |         | EPC - 40       | *EPC - 80 | EPC - 40         | EPC - 80 |
|            |              | Average           | Maximum | Minimum | Minimum        | Minimum   | Minimum          | Minimum  |
| 1/2        | 16           | 21.34 ± 0.10      | 21.54   | 21.13   | 2.77           | 3.73      | 14.68            | 12.75    |
| 3/4        | 21           | 26.67 ± 0.10      | 26.92   | 26.42   | 2.87           | 3.91      | 19.81            | 17.72    |
| 1          | 27           | 33.40 ± 0.13      | 33.66   | 33.15   | 3.38           | 4.55      | 25.5             | 23.11    |
| 1 1/4      | 35           | 42.16 ± 0.13      | 42.47   | 41.86   | 3.56           | 4.85      | 33.9             | 31.16    |
| 1 1/2      | 41           | 48.26 ± 0.15      | 48.56   | 47.96   | 3.68           | 5.08      | 39.72            | 36.72    |
| 2          | 53           | 60.32 ± 0.15      | 60.63   | 60.02   | 3.91           | 5.54      | 51.33            | 47.77    |
| 3          | 78           | 88.90 ± 0.20      | 89.28   | 88.52   | 5.49           | 7.62      | 76.40            | 71.62    |
| 4          | 103          | 114.30 ± 0.23     | 115.57  | 113.03  | 6.02           | 8.56      | 100.60           | 94.91    |
| 6          | 155          | 168.28 ± 0.28     | 169.54  | 167.00  | 7.11           | 10.97     | 152.04           | 143.40   |

Note: Sizes above 4 can be manufactured as per customer requirement. \*on request

"EPC-40—Electrical conduit designed for normal-duty applications aboveground; concrete-encased applications or direct burial. May be referred to as "heavy wall."

EPC-80—Electrical conduit designed for heavy-duty (areas of physical damage) applications aboveground; concrete-encased applications or direct burial. May be referred to as "extra heavy wall."



# PVC-U PIPES FOR DUCTING

## ASTM D 1785/2015 SCHEDULE 40 & 80

**Standard Length:** 6 Metres

**Colour:** Dark Grey

**Socket Type:** Rubber Ring / Solvent Weld

| Nominal Size | Outside Diameter | Tolerance | ATSM 1785 Schedule 40 |           | ATSM 1785 Schedule 80 |           |
|--------------|------------------|-----------|-----------------------|-----------|-----------------------|-----------|
|              |                  |           | Min. Wall Thickness   | Tolerance | Min. Wall Thickness   | Tolerance |
| Inch         | mm               | mm        | mm                    | mm        | mm                    | mm        |
| 1/8 *        | 10.29            | ± 0.10    | 1.73                  | + 0.51    | 2.41                  | + 0.51    |
| 1/4          | 13.72            | ± 0.10    | 2.24                  | + 0.51    | 3.02                  | + 0.51    |
| 3/8 *        | 17.14            | ± 0.10    | 2.31                  | + 0.51    | 3.20                  | + 0.51    |
| 1/2          | 21.34            | ± 0.10    | 2.77                  | + 0.51    | 3.73                  | + 0.51    |
| 3/4          | 26.67            | ± 0.10    | 2.87                  | + 0.51    | 3.91                  | + 0.51    |
| 1            | 33.40            | ± 0.13    | 3.38                  | + 0.51    | 4.55                  | + 0.53    |
| 1 1/4        | 42.16            | ± 0.13    | 3.56                  | + 0.51    | 4.85                  | + 0.58    |
| 1 1/2        | 48.26            | ± 0.15    | 3.68                  | + 0.51    | 5.08                  | + 0.61    |
| 2            | 60.32            | ± 0.15    | 3.91                  | + 0.51    | 5.54                  | + 0.66    |
| 2 1/2 *      | 73.02            | ± 0.18    | 5.16                  | + 0.61    | 7.01                  | + 0.84    |
| 3*           | 88.90            | ± 0.20    | 5.49                  | + 0.66    | 7.62                  | + 0.91    |
| 3 1/2 *      | 101.60           | ± 0.20    | 5.74                  | + 0.68    | 8.08                  | + 0.96    |
| 4            | 114.30           | ± 0.23    | 6.02                  | + 0.71    | 8.56                  | + 1.02    |
| 5 *          | 141.30           | ± 0.25    | 6.55                  | + 0.79    | 9.52                  | + 1.14    |
| 6            | 168.28           | ± 0.28    | 7.11                  | + 0.86    | 10.97                 | + 1.32    |
| 8            | 219.08           | ± 0.38    | 8.18                  | + 0.99    | 12.70                 | + 1.52    |
| 10           | 273.05           | ± 0.38    | 9.27                  | + 1.12    | 15.06                 | + 1.80    |
| 12           | 323.85           | ± 0.38    | 10.31                 | + 1.24    | 17.45                 | + 2.08    |

\* These are not regular sizes and not normally available in stock

# PVC-U CONDUITS

## OMANI STANDARD 109/1986

**Standard Length:** 3 Metres

**Colour:** Black

| Nominal size mm | Outside Diameter mm |           | Minimum Inside Dia. mm |
|-----------------|---------------------|-----------|------------------------|
|                 | Dimension           | Tolerance |                        |
| 16              | 16                  | - 0.2     | 13.0                   |
| 20              | 20                  | - 0.30    | 16.9                   |
| 25              | 25                  | - 0.3     | 21.4                   |
| 32              | 32                  | - 0.40    | 27.8                   |

# PVC-U CONDUITS FOR CABLES

## BS EN 61386-24

**Standard Length:** 3 Metres

**Colour:** Black

**Socket type :** Solvent Weld

| Pipe Size mm | Outside Diameter mm |       | Min. inside diameter mm | Wall Thickness N 450 |     | Wall Thickness N 750 |     |
|--------------|---------------------|-------|-------------------------|----------------------|-----|----------------------|-----|
|              | Min.                | Max.  |                         | Min                  | Max | Min                  | Max |
| 50           | 50                  | 51    | 37                      | -                    | -   | 3.0                  | 3.5 |
| 75           | 75                  | 76.4  | 56                      | 2.6                  | 3.1 | -                    | -   |
| 90           | 90                  | 91.7  | 67                      | 2.9                  | 3.2 | -                    | -   |
| 110          | 110                 | 112   | 82                      | 3.2                  | 3.8 | 4.5                  | 5.0 |
| 160          | 160                 | 162.9 | 120                     | 5.0                  | 6.0 | -                    | -   |



# PVC-U CONDUITS FOR CABLES TO BS EN 61386-1

**Standard Length:** 3 Metres

**Colour:** Black

## 1. HEAVY DUTY CONDUITS

| Size | Outside Diameter mm |      | Inside Diameter mm | Wall Thickness mm |      |
|------|---------------------|------|--------------------|-------------------|------|
|      | Min.                | Max. |                    | Min               | Max  |
| 20   | 19.7                | 20   | 15.8               | 1.80              | 2.10 |
| 25   | 24.6                | 25   | 20.6               | 1.90              | 2.20 |
| 32   | 31.6                | 32   | 26.6               | 2.40              | 2.70 |
| 40   | 39.6                | 40   | 34.4               | 2.50              | 2.80 |
| 50   | 49.5                | 50   | 43.2               | 3.10              | 3.40 |

## 2. MEDIUM DUTY CONDUITS

| Size | Outside Diameter mm |      | Inside Diameter mm | Wall Thickness mm |      |
|------|---------------------|------|--------------------|-------------------|------|
|      | Min.                | Max. |                    | Min               | Max  |
| 20   | 19.7                | 20   | 16.9               | 1.40              | 1.55 |
| 25   | 24.6                | 25   | 21.4               | 1.60              | 1.80 |
| 32   | 31.6                | 32   | 27.8               | 1.80              | 2.00 |
| 40   | 39.6                | 40   | 35.4               | 2.00              | 2.30 |
| 50   | 49.5                | 50   | 44.3               | 2.50              | 2.80 |

## 3. LIGHT DUTY CONDUITS

| Size | Outside Diameter mm |      | Inside Diameter mm | Wall Thickness mm |      |
|------|---------------------|------|--------------------|-------------------|------|
|      | Min.                | Max. |                    | Min               | Max  |
| 20   | 19.7                | 20   | 17.40              | 1.10              | 1.30 |
| 25   | 24.6                | 25   | 22.10              | 1.20              | 1.40 |
| 32   | 31.6                | 32   | 28.60              | 1.50              | 1.70 |
| 40   | 39.6                | 40   | 35.80              | 1.80              | 2.10 |
| 50   | 49.5                | 50   | 45.10              | 2.10              | 2.40 |

# LONG RADIUS BENDS AND FABRICATED STANDARD FITTINGS

OMANPLAST™ manufactures a comprehensive range of fittings such as long radius bends, duet couplers, end caps, bell mouth etc., fabricated from uPVC cable duct pipes.

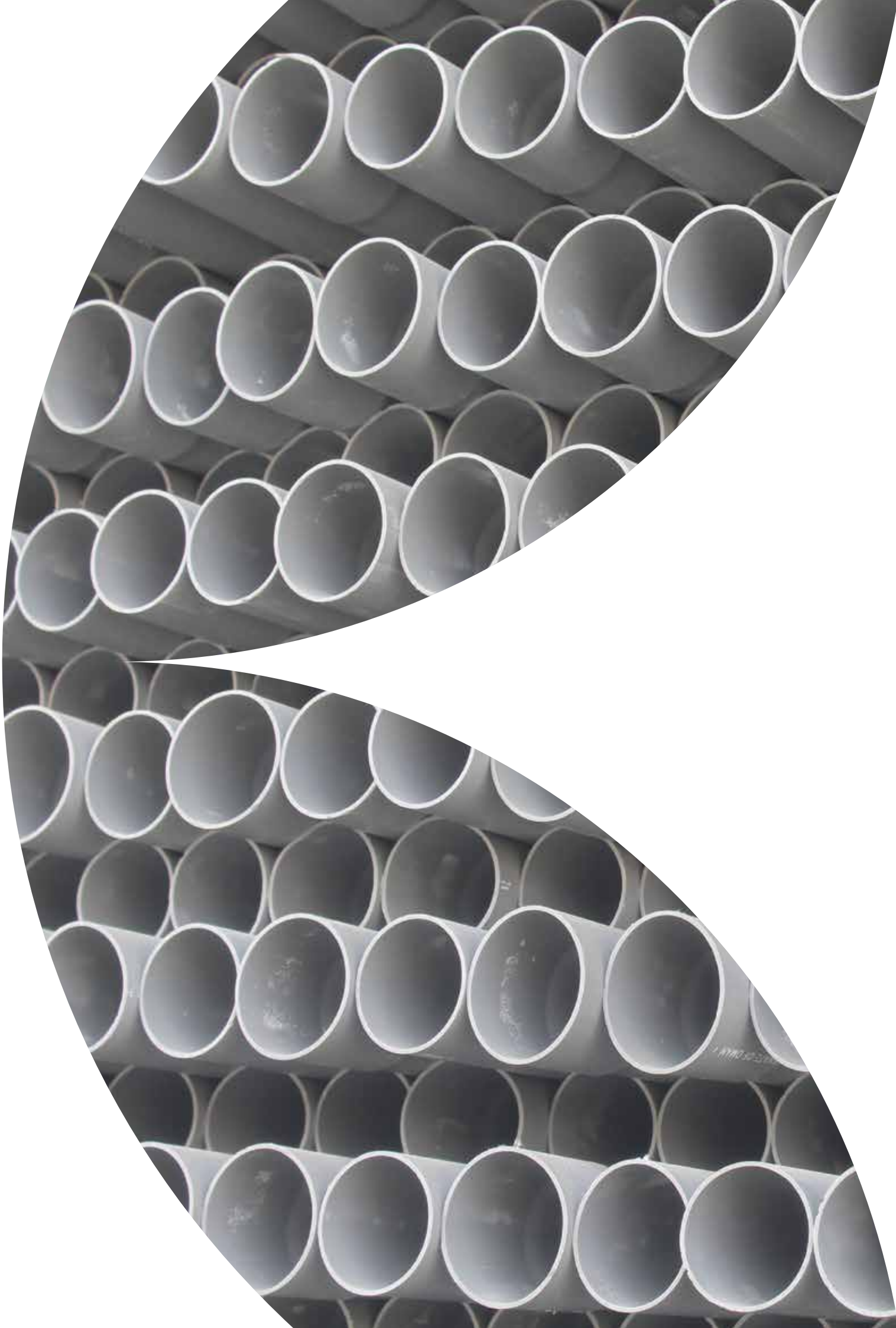
| Code LR900           | Size | L    | R   |
|----------------------|------|------|-----|
| 90° Long Radius Bend | 2    | 432  | 229 |
|                      | 3    | 610  | 356 |
|                      | 4    | 762  | 457 |
|                      | 6    | 1016 | 610 |
|                      | 8    | 1194 | 762 |

| Code LR450           | Size | L   | R   |
|----------------------|------|-----|-----|
| 45° Long Radius Bend | 2    | 305 | 229 |
|                      | 3    | 406 | 356 |
|                      | 4    | 508 | 457 |
|                      | 6    | 660 | 610 |
|                      | 8    | 762 | 762 |

| Code LR220               | Size | L   | R   |
|--------------------------|------|-----|-----|
| 22 1/2° Long Radius Bend | 2    | 254 | 229 |
|                          | 3    | 330 | 356 |
|                          | 4    | 406 | 457 |
|                          | 6    | 533 | 610 |
|                          | 8    | 584 | 762 |

| Code LR110               | Size | L   | R   |
|--------------------------|------|-----|-----|
| 11 1/4° Long Radius Bend | 2    | 229 | 229 |
|                          | 3    | 305 | 356 |
|                          | 4    | 356 | 457 |
|                          | 6    | 457 | 610 |
|                          | 8    | 508 | 762 |

| Code A44       | Size | L   |
|----------------|------|-----|
| Double Coupler | 4    | 356 |
|                | 6    | 457 |
|                | 8    | 533 |



# ABOUT MUNA NOOR

Muna Noor is one of Oman's leading manufacturers and suppliers of plastic pipe systems, meeting the needs of the construction, civil, agricultural, industrial and petrochemical industries, primarily in the Middle East, but also supplying Asia and North Africa.

To date Muna Noor's divisions deliver large-scale and bespoke uPVC, HDPE, DWC and Multi-layer HDPE pipes, fittings, plastic fabrication, lining for steel pipe, traditional and electro fusion welding solutions, complete irrigation systems, SCADA control systems and a multiplicity of valves and controls for water.

The company continues to develop product state-of-the-art solutions with the aim to exceed client expectations and collaborate on new and exciting projects.

As an ISO 9001:2008 certified company, our primary commitment is to deliver quality products and services to clients. Muna Noor's quality and success has also been recognised by financial industry leaders in the region and has been made a subsidiary by the Boubyan Petrochemical Company (K.S.C), which is a blue chip company of the Kuwait Stock Exchange and premium institution in Kuwait for investment in the field of petrochemicals by the private sector.



P.O. Box 1070, Hay Al Mina, Postal Code : 114, Sultanate of Oman

Tel. +968 24446620 Fax. +968 24446619

Email. [info@munanoor.com](mailto:info@munanoor.com) Twitter. [@munanooroman](https://twitter.com/munanooroman)

[www.munanoor.com](http://www.munanoor.com)