

JEDDAH
POLYMER

**ELECTRICAL
CONDUITS**



JEDDAH POLYMER
WHERE QUALITY MATTERS



JEDDAH POLYMER—Introduction:

Muhammad Laiq & Sons, a well known Trading Company of the engineering industry took the initiative in **2005** of introducing **uPVC pipes and fittings** manufacturing unit, **Jeddah polymer**, in F.B. Industrial Area. Soon after a successful test run the company launched its uPVC pipes and fittings under the brand name of **JEDDAH POLYMER**

JEDDAH POLYMER—The Factory

The three storied factory building spreads over a vast area with two additional basements exclusively for maintaining adequate inventory levels, to ensure prompt supply of all sizes all the time. At **Jeddah Polymer** high quality uPVC pipes are being produced on the State of the Art Pipe Extruding Plants in accordance with **International Standards**.

JEDDAH POLYMER—Quality Assurance

To guarantee premium quality uPVC pipes, **Jeddah Polymer** has a well equipped in-house laboratory capable of carrying out the stringent quality evaluation tests as recommended in specification. **Jeddah polymer** is committed to produce high quality uPVC pipes and fittings, ensuring use of high quality raw material to fulfil the requirement of its customers and continue improvement. To maintain consistent quality the samples of produced pipes are sent to independent laboratories periodically and the reports obtained from there are matched with internal evaluation reports.

JEDDAH POLYMER—Product Range

The extruded product range of **JEDDAH POLYMER** includes uPVC pressure and non pressure pipes for water and sewerage distribution lines and conduits for Electric and telecommunication installations and are accepted for use in over and underground applications for concrete encased or direct burial.

JEDDAH POLYMER—Customer Services

Pre and post sale customer services are the key to **JEDDAH POLYMER'S** success, emphasis on quality at **Jeddah polymer** does not only restrict to product but also covers other essential facets of business, like prompt supplies, availability and adherence to the commitments. Our customer services department assists customer to select appropriate material as designed by the engineer or consultant and our Customer Services staff regularly visits to site to help in minimizing the problems during pipe laying or testing.

JEDDAH POLYMER –The Conduits

The conduit produced at **Jeddah Polymer** meet the requirements prescribed by **British Standards Conduit for Electrical Installation**. **JEDDAH POLYMER** conduit are available in 3 meter lengths and can also be supplied in customized length which is subject to the order. These conduits have an imprinted logo of **JEDDAH POLYMER** and nominal dia(in inches) on them and are supplied in shape of bundles.

In addition to **JEDDAH POLYMER** electrical conduits, a wide range of electrical conduit's accessories are also available at Jeddah Polymer.

JEDDAH POLYMER –The Advantages of uPVC Conduits:



Light-weight

Light weight conduits mean quick, easy to transport and install, labour saving, and reduced total job time.



Non-Corrosive

Non decaying material of uPVC conduits withstands against concrete additives, electrolysis, corrosive atmosphere, soils, salts or excessive humidity and thus lasts longer than the other conduit materials.



Fire Resistant

uPVC is a thermoplastic that inherently resists continuous combustion. It is classified as self-extinguishing material.



Non-Magnetic

uPVC is non-magnetic, thus reduces voltage drop and minimizes power loss.



Reliable Joints & Easy Pull Through

Installations with simple, fast, solvent cement joints, these uPVC conduits require no threads. Their smooth, uniform inner walls make wire pull through faster and easier.



Safety

These pipes are non-conductive and non-sparking and due to this property the risk of second point of contact and phase to ground faults is eliminated.



Flexible

The flexibility provides resistance against breakage.

UPVC ELECTRICAL CONDUITS SPECIFICATION

BS : 6099 / PS : 1905-87

| Nominal Diameter | Mean Outside Diameter (mm) | | Wall Thickness (mm) | Allowed Tolerance | Weight kg / mtr |
|------------------|----------------------------|-------|---------------------|-------------------|-----------------|
| | Min | Max | | | |
| 1/2" | 17.0 | 17.3 | 1.04 | ±0.02 | 0.086 |
| 3/4" | 21.2 | 21.5 | 1.23 | ±0.02 | 0.125 |
| 1" | 26.6 | 26.9 | 1.33 | ±0.02 | 0.173 |
| 1-1/4" | 33.4 | 33.7 | 1.51 | ±0.02 | 0.245 |
| 1-1/2" | 42.1 | 42.4 | 1.85 | ±0.02 | 0.398 |
| 2" | 60.2 | 60.5 | 2.03 | ±0.02 | 0.612 |
| 3" | 88.7 | 89.1 | 1.80 | ±0.02 | 0.798 |
| 4" | 114.1 | 114.5 | 1.80 | ±0.02 | 1.032 |

| Electrical Properties | |
|---|---------------------------------|
| Specific (Volume) Resistance Electronic Insulation Resistance A1 DC 1000 Volt | 1.273 x 10 ¹³ Ω - cm |
| Dielectric Power Factor Test Cycle : 50 c/s | 0.1 - 0.146 |
| Dielectric Constant Test Cycle : 50 c/s | 5.1 - 5.25 |
| Critical Supported Voltage AC 50 c/s 11kv one minute | No Change |

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