



# DURA MAX U-PVC PIPES & FITTINGS

Keep Yourself Healthy<sup>®</sup>  
**DURA<sup>®</sup>MAX**

ISO 9001:2015



## Overview

Dura Max Pakistan has been manufacturing Plastic Water Tanks, U-PVC & PPR-C Pipes & Fittings, Textile Sliver Cans, Poly-Lights, Road Safety Products, and Garbage Containers under its flagship brand "DURAMAX" Since 1992, the company has gone through major changes and since evolved into Dura Polymer Industries.

Dura Polymer Industries is operating under their renowned brand name "DURA MAX", which has been a trademark of reliability and quality for more than three decades. The brand "DURA MAX" has steadily gained nationwide recognition and reputation as one of the leading Plastic Manufacturer across Pakistan. With multiple manufacturing units across the country, we proudly claim to be the largest producer/supplier of Plastic Water Storage Tanks, PPR-C Pipe and Fittings, Textile Sliver Cans, Poly-Lights, Road Safety Products, and Garbage Containers in Pakistan.

Dura Max U-PVC piping system makes its pressure bearing capacity twice than that of the threaded pipe, Dura Max U-PVC pipes & fittings exhibit the well-known physical characteristics and other benefits of conventional PVC piping such as good chemical and corrosion resistance, low thermal conductivity, high strength-to-weight ratio, good impact resistance and ease of installation. Also, this piping system is lead-free.

## Product Range

Dura Max Upvc lead-free industrial & residential piping systems are available from 2" to 8".

## U-PVC Specification

### **Dura Max Non-Pressure Pipe Dimensions of (BS-3506)**

Nominal Size	Outside Diameter (mm)		Wall Thickness (mm)	
	Min.	Max.	Min.	Max.
2"	60.2	60.5	1.7	1.9
3"	88.7	89.1	1.8	2.24
4"	114.1	114.5	2.3	2.8
5"	140.0	140.4	2.6	3.1
6"	168.0	168.5	3.1	3.7
8"	218.8	219.4	3.1	3.7

## Dura Max U-PVC Pressure Pipes are Manufactured as Per Bs-3505 Equipment to Ps-3051 (Class B,C,D & E)

Size	Outside Diameter		Wall Thickness							
			Class B, 6.0 bar		Class C, 9.0 bar		Class D, 12.0 bar		Class E, 15.0 bar	
	Min.	Max.	200" Head		300" Head		400" Head		500" Head	
			Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
2"	60.2	60.5	--	--	2.5	3.0	3.1	3.7	3.9	4.5
3"	88.7	88.1	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
5"	140.0	140.4	3.8	4.4	5.5	6.4	7.3	8.4	9.0	10.4
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

### ASTM D 2241 (Series)

#### Outside Diameters & Minimum Wall Thickness

Nominal Size	Outer Diameter		Wall Thickness														
			SDR 64 (4.3 Bar)		SDR 41 (6.9 Bar)		SDR 32.5 (8.6 Bar)		SDR 26 (11.0 Bar)		SDR 21 (13.8 Bar)		SDR 17 (17.2 Bar)		SDR 13.5 (21.7 Bar)		
	Inch	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
3/4"	26.57	26.77	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.52	2.03	1.57	2.08	1.98	2.49
1"	33.27	33.53	N/A	N/A	N/A	N/A	N/A	N/A	1.52	2.03	1.60	2.11	1.96	2.46	2.46	2.97	
1 1/4"	42.03	42.29	N/A	N/A	N/A	N/A	1.53	2.03	1.63	2.13	2.01	2.52	2.49	3.00	3.12	3.63	
1 1/2"	48.11	48.41	N/A	N/A	N/A	N/A	1.52	2.03	1.85	2.36	2.29	2.79	2.84	3.35	3.58	4.09	
2"	60.17	60.47	N/A	N/A	N/A	N/A	1.85	2.36	2.31	2.82	2.87	3.38	3.56	4.06	4.47	4.98	
3"	88.70	89.10	N/A	N/A	2.16	2.67	2.74	3.25	3.43	3.94	4.24	4.75	5.23	5.87	6.58	7.37	
4"	114.07	114.53	1.78	2.29	2.79	3.30	3.51	4.01	4.39	4.90	5.44	6.10	6.73	7.54	8.46	9.48	
5"	141.05	141.55	2.21	2.72	3.45	3.96	4.34	4.87	5.44	6.13	6.73	7.54	8.31	9.30	10.46	11.70	
6"	168.00	168.5	2.64	3.15	4.11	4.62	5.18	5.79	6.48	7.27	8.03	8.90	9.91	11.10	12.47	13.97	
8"	218.70	219.46	3.43	3.94	5.33	5.97	6.73	7.54	8.43	9.45	10.41	11.66	12.90	14.45	N/A	N/A	
10"	272.60	273.4	4.20	4.70	6.70	7.60	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
12"	323.40	324.3	5.00	5.60	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

## WHY DURA UPVC PIPES & FITTING



**Complete Range**  
Dura comes up with complete fitting range and piping solution for its valuable customers from size 2" to 8" inches.

**As Per Standards**  
Each pipe is produced in compliance to a host of national and international standard (as per BS-3505:1968, PS-3051:1991).

**Lab Approved**  
A well equipped in-house and laboratory under strict guidance, vigilance and supervision of guarantees flawless supply of goods.

**Best Compounding Material**  
Dura UPVC Pipes are made with UPVC modified give compound to very high impact strength and tensile elasticity. Dura pipes are

**Trendy Design**  
A unique and contemporary design feature allows DuraFlow pipes & fittings to add to the aesthetic appeal of your building.

**High Flow Rate**  
Because of its extremely smooth internal surface, it offers excellent flow properties which remain constant due to reduced build up of and

**Long Life/Zero Maintenance**  
PVC is free from corrosion, abrasion, growth of bacteria, algae and fungi, ensuring long life and durability.


















**Chemical U-PVC Resistance & Non Conductivity**  
has exceptional resistance to all concentrations from Alkalis and Acids. The material is also

## Features and benefits

Mostly in the intermediate temperature range between 20°C and 60°C, Dura Max U-PVC piping finds its ideal application in industrial, residential and water supplies, assuring optimal performance in terms of mechanical resistance, good rigidity, low co-efficients of thermal expansion and optimal safety factors in service.

- Dura Max U-pvc has lower friction factor compared to metal & other materials, and since they do not rust, pit, scale or corrode, the interior walls remain smooth in virtually any service giving high flow rate.
- U-PVC resins are generally inert to most chemicals, acids-alkalis, aliphatic-paraffinic hydrocarbons and saline solutions. Further it is totally compatible for the handling of treated and untreated drinking water as well as demineralized water.
- Dura Max Pakistan handles most industrial & residential fluids with best strength to weight ratio at lower material cost. Couple this with easy to store, cut, transport & jointing, this all reduces labour and transportation costs significantly.
- Dura Max piping does not support combustion & has low flame propagation than alternate polymers. Further it has self-extinguishing nature with low toxic emissions & smoke generation.
- U-PVC material has low electrical conductivity in comparison with metals that are most conductive. Dura Max U-PVC pipes thereby makes the industrial & residential piping system safe when working with electrical tools or equipment.
- Dura Max Pakistan has a better resilience against photo-degradation, oxidation & creep stress in contrast to metal that faces heavy degeneration over a short course of time. As the internal and external surface of U-PVC pipes do not weaken because of these effects, we get years of maintenance-free service & extended lifetime.
- Dura Max residential & industrial piping systems can be used in sunlight exposed conditions by just applying a standard grade of exterior latex paint (water base) which will protect the system adequately.
- Dura Max U-PVC pipes are non-toxic and lead-free which makes them a safe material for potable water.



 <p><b>ELBOW 90°</b></p> <p>Size 2" 3" 4" 6"</p>	 <p><b>PLUG ELBOW</b></p> <p>Size 3" 4" 6"</p>	 <p><b>ELBOW 45°</b></p> <p>Size 2" 3" 4"</p>
 <p><b>REDUCE ELBOW 90°</b></p> <p>Size 3"x4"</p>	 <p><b>MALE/F.MALE ELBOW 90°</b></p> <p>Size 4"</p>	 <p><b>TEE</b></p> <p>Size 2" 3" 4" 6"</p>
 <p><b>PLUG TEE</b></p> <p>Size 3" 4" 6"</p>	 <p><b>REDUCE TEE</b></p> <p>Size 3"x4"</p>	 <p><b>MALE/F.MALE TEE</b></p> <p>Size 4"</p>
 <p><b>SOCKET</b></p> <p>Size 2" 3" 4" 6"</p>	 <p><b>REDUCE SOCKET</b></p> <p>Size 2"x3" 2"x4" 3"x4"</p>	 <p><b>YEE</b></p> <p>Size 3" 4"</p>
 <p><b>YEE 3"x4"</b></p> <p>Size 3"x4"</p>	 <p><b>END CAP</b></p> <p>Size 2" 3" 4"</p>	 <p><b>VENT COWL</b></p> <p>Size 2" 3" 4"</p>
 <p><b>P TRAP</b></p> <p>Size 3" 4"</p>	 <p><b>Multi Floor Trap</b></p> <p>Size 5X3"</p>	

Keep Yourself Healthy<sup>®</sup>

# DURAMAX



**Manufacturers of PPR-C | U-PVC | Electrical Conduit  
Pipes & Fittings | Water Tank | Garden Hose Pipe | Gas Pipe  
Garbage Container | Textile Sliver Can | Road Barrier  
Tractor Roof | Lamp Poles**

**UAN +92-343-4388888**

**info@duramax.pk | Sales@duramax.pk**

**www.duramax.pk**



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