

**ABS Drain, Waste & Vent Pipe Fittings**

ABS (acrylonitrile butadiene styrene) is an opaque thermoplastic polymer with high tensile strength and low temperature properties.

The smooth interior walls of ABS pipe fittings resist physical impact, chemical corrosion, full flow and resistance to corrosion or scaling.

ABS fittings connects with ABS pipe to transport potable water, slurries, and chemicals in light commercial , indoor use in residential and light commercial buildings applications.

Not recommended for pressure. This plumbing accessory works well with solvent cement in creating tight pipe connections.

Benefits of ABS DWV Fittings :

- **Chemical resistant** : ABS DWV Fittings resists many household chemicals and solvents that can damage metal pipes, making it an ideal choice for kitchens and bathrooms. It is unaffected by ammonium chloride, calcium chloride or sodium hydroxide, as well as aqueous salt solutions and mineral acids and alkalis.
- **A flexible choice** : ABS DWV fitting is interchangeable with solid wall and can be used for vertical, horizontal and buried applications.
- **Built to last** : Impact-resistant ABS DWV delivers long-lasting high performance even at extreme temperatures, and will not rust, corrode or deteriorate over time.
- **Easy to install** : Lightweight ABS DWV fittings is easy to handle and transport, which means less labour and installation time. It also uses the same pipe, solvents and/or glues as existing products.
- **Cost effective** : ABS DWV fittings costs less than comparable metal fittings system
- Smooth and consistent exterior wall provides for easy and reliable joining, joint performance, and attractive appearance
- Dense and uniform structure provides, reliable, strong, and quiet product
- Uniform interior and exterior wall skin for a strong and reliable joint
- It is with D2661 Standards & UPC NSF/ANSI 14 Compliance
- **HAZARD IDENTIFICATION**
Most Important Hazards- None, Adverse Human Health Effects- None, Environmental Effects-None & Physical and Chemical Hazards-None
- **PHYSICAL AND CHEMICAL PROPERTIES**
Appearance: Opaque, Black, Solid | Odor: No Specific Odor | Solubility in Water: Insoluble | Melting Point: Softening above 100°C | Specific Gravity (H₂O=1): 1.05 | Vapor Density: Not Determined
- **STABILITY AND REACTIVITY**
(a) Stability: Stable and non-reactive under normal handling and storage condition. Conditions to Avoid: Not Applicable
(b) Hazardous Polymerization: Will Not Occur Conditions to Avoid: Not Applicable
(c) Incompatible Materials: None Known
(d) Hazardous Decomposition Products: Hydrogen cyanide, carbon monoxide, carbon dioxide and small amounts of acrylonitrile, butadiene, and styrene.
- **TOXICOLOGICAL INFORMATION**
Irritation: Tetrabromobisphenol A: Slightly irritation to eyes and skin. | Acrylonitrile-butadiene-styrene copolymer: Fumes or vapors generated from decomposing resins may be irritant to eyes.
Acute oral toxicity (LD₅₀): Tetrabromobisphenol A: Weak | Acrylonitrile-butadiene-styrene copolymer: Not determined |
Mutagenicity: Tetrabromobisphenol A: Not determined | ABS copolymer: Not determined

- 5 Year Warranty

- ABS DWV FITTING PHYSICAL CHARACTERS :-

Property	Requirement
Chemical Resistance Test	The Maximum Weight Change, 0.5%
Crush Resistance Test	The Maximum Platen Travel, 0.1 inches
Dimensional Stability	The Maximum ID Change, 10%
Water Resistance	The Maximum Weight Change, 0.5%

- ABS DWV FITTING PHYSICAL CHARACTERS (ASTM D2661) :-

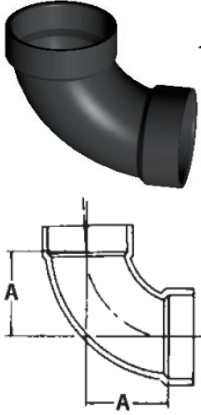
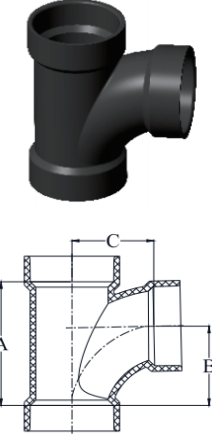
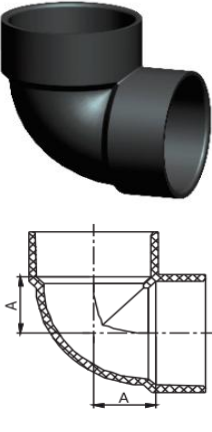
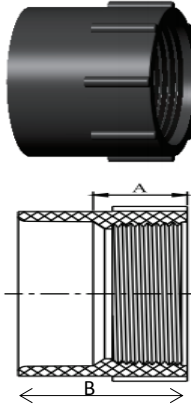
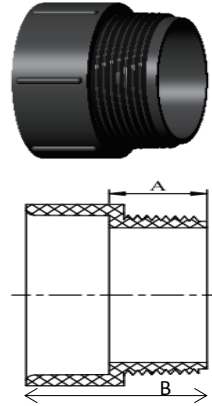
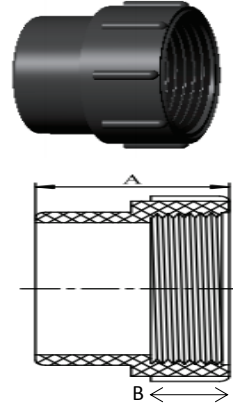
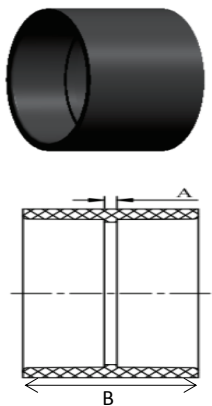
Property	Requirement
Tup Impact Test	27J
Flattening The minimum load of 750	lbf/ft (11kN/m)

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ABS PIPE FITTINGS - 1.5"

							
Fitting or Connector Type	Elbow	Sanitary Tee	Short Elbow	Female Adapter	Male Adapter	Fitting Cleanout Adapter	Coupling
Application (DWV)	Non-Potable Water	Non-Potable Water	Non-Potable Water	Non-Potable Water	Non-Potable Water	Non-Potable Water	Non-Potable Water
Fitting Size Dimensions	1-1/2" x 1-1/2"	1-1/2" x 1-1/2" x 1-1/2"	1-1/2" x 1-1/2"	1-1/2" x 1-1/2"	1-1/2" x 1-1/2"	1-1/2" x 1-1/2"	1-1/2" x 1-1/2"
A (in)	1-3/4	3-1/8	1-3/16	7/8	7/8	1-11/16	5/32
B (in)		2-1/16		1-9/16	1-31/32	3/4	1-9/16
C (in)		2-1/16					
Product Height / Length (in)	3.68	4.5	3.062	1.95	1.97	1.69	1.95
Color/Finish	Black	Black	Black	Black	Black	Black	Black
Connections	Hub x Hub	Hub x Hub x Hub	Hub x Hub	Hub x FPT	Hub x MPT	Spigot x FPT	Hub x Hub
Product Weight (lbs)	0.17 lb	0.238 lb	0.15 lb	0.08 lb	0.075 lb	0.07 lb	0.07 lb
Fitting/ Connector Collection	ABS	ABS	ABS	ABS	ABS	ABS	ABS
Bend Degree	90 Degree	90 Degree	90 Degree				
Maximum Working Temperature (F)	140	140	140	140	140	140	140
Connectivity	Solvent Cemented	Solvent Cemented	Solvent Cemented	Solvent Cemented	Solvent Cemented	Solvent Cemented	Solvent Cemented
Pipe or Fitting Product Type	Fittings & Connectors	Fittings & Connectors	Fittings & Connectors	Fittings & Connectors	Fittings & Connectors	Fittings & Connectors	Fittings & Connectors
Features	Underground Rated	Underground Rated	Underground Rated	Underground Rated	Underground Rated	Underground Rated	Underground Rated
Pipe Inside Diameter (in)	1.78	1.78	1.78	1.78	1.78	1.78	1.78
Pipe Inside Radius (in)	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Pipe Outside Diameter (in)	1.92	1.92	1.92	1.92	1.92	1.92	1.92
Pipe Outside Radius (in)	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Std & Fitting Compatibility	Schedule 40	Schedule 40	Schedule 40	Schedule 40	Schedule 40	Schedule 40	Schedule 40
	A 90 degree elbow is a curved fitting used to alter the direction of a pipe run in drainage and vent systems	A sanitary tee allows liquids to drain while venting the plumbing system. The downward sweep directs liquid toward the drain pipe	A 90 degree elbow is a curved fitting used to alter the direction of a pipe run in drainage and vent systems	A female adapter is used to convert solvent weld pipe to a threaded connection e.g. for connecting to a male threaded fitting	A male adapter is used to convert solvent weld pipe to a threaded connection e.g. for connecting to a female threaded fitting	Fitting Cleanout Adapter is use for cleaning or visual inspection	Couplings are short fittings used to join two pieces of the same type and size of pipe together