

**THE SMARTER CHOICE.**

# IMPERIAL ABS

## THEMOPLASTIC PIPEWORK SYSTEMS

ABS (Acrylonitrile Butadiene Styrene) pipework has been formulated to optimise performance in respect of tensile strength and ductility. The benefits of ABS piping systems, can make it the first choice for some demanding fluid handling applications.

### Benefits

**Impact Strength:** Maintains excellent impact resistance down to -40°C.

**Tough:** Ductile material with excellent resistance against fatigue, notching effects and crack growth.

**Abrasion Resistance:** Excellent wear properties for a wide range of slurries

**Light Weight:** Approximately 1/6th the weight of the equivalent steel pipes allowing for a quick and simple installation.

**Environmental Advantage:** ABS is Lead and Chlorine Free and is easily recycled.

**Exceptionally Smooth Bore:** Low friction allows high flow velocities and inhibits the formation of scale.

**Weather Resistance:** Does not corrode in weather and is resistant to sunlight so does not always require painting or wrapping.

### Applications

**Mechanical Services:** Condenser Lines, Chilled Water Lines, Cooling Tower Pipework, Potable Water, Sewer Vent and Waste, Swimming Pools, Water Features.

Mining and Mineral Processing: Slurry Lines, Borefields, Electrolyte, Process Water, Chemical Handling.

**Water and Wastewater Infrastructure:** Water and Wastewater Treatment, Process Lines, Grit lines, Aeration Tanks, Borefields and Irrigation Schemes, Trunk Mains, Treated Effluent Re-Use, Potable Water Distribution, Rising Mains, Sewerage Treatment

**Industrial and Power Generation:** Process Water, Cooling Water, Demineralised Water, Ash Slurry Disposal.

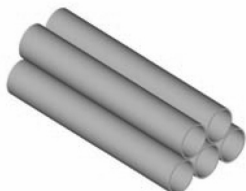
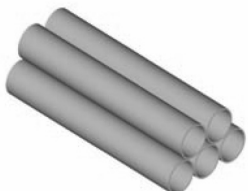


**Infrastructure:** Potable Water Distribution, Property Services, Buried Fire mains, Rising Mains.

*Please refer to technical notes for insulation materials, the use of thread seal compounds and other installation requirements.*

### The ABS Pipe System

Asmuss offer ABS pipe in 6, 9, 12 and 15 bar pressure rating, although offerings are limited in some sizes. Fittings are designed to be used with all classes and pressures of pipe and are joined using a solvent cement technique. Threaded, flanged and shouldered end connections are also available when joining to different pipe materials, pumps or valves.


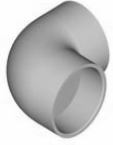



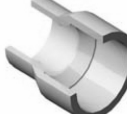



For installation or technical queries on ABS please contact our sales team.

ABS PIPE						
	Code	NB (mm)		Code	NB (mm)	
<b>Class C, PN9 Pipe</b>  6m lengths	PABSC/025	25	<b>PN10 Pipe</b>  5m lengths	PABS10/065	65	
	PABSC/032	32				
	PABSC/040	40				
	PABSC/050	50				
	PABSC/080	80				
	PABSC/100	100				
	PABSC/150	150				
	PABSC/200	200				
	PABSC/225	225				
	PABSC/300	300				
	PABSC/350	350				
	PABSC/375	375				
<b>Class D, PN12 Pipe</b>  6m lengths	PABSD/050	50	<b>Class E, PN15 Pipe</b>  6m lengths	PABSE/015	15	
	PABSD/065	65			PABSE/020	20
	PABSD/080	80			PABSE/025	25
	PABSD/100	100			PABSE/032	32
	PABSD/150	150			PABSE/040	40
					PABSE/050	50
				PABSE/065	65	
				PABSE/080	80	
				PABSE/100	100	
				PABSE/125	125	
				PABSE/150	150	
				PABSE/200	200	
				PABSE/225	225	
				PABSE/300	300	

*Note: PN Ratings for fittings vary, however the majority of fittings larger than 150mm are rated from PN12-PN9. Please contact our sales team if you need clarification.*

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ABS PRESSURE PIPE FITTINGS						
	FABS Code	NB (mm)			FABS Code	NB (mm)
<b>Tee</b> 	TEE/015	15				
	TEE/020	20				
	TEE/025	25				
	TEE/032	32				
	TEE/040	40				
	TEE/050	50				
	TEE/065	65				
	TEE/080	80				
	TEE/100	100				
	TEE/125	125				
	TEE/150	150				
	TEE/200	200				
	TEE/225	225				
	TEE/250	250				
	TEE/300	300				
	TEE/315	315				
	TEE/350	350				
TEE/375	375					
<b>Elbow 90°</b> 	EL90/015	15				
	EL90/020	20				
	EL90/025	25				
	EL90/032	32				
	EL90/040	40				
	EL90/050	50				
	EL90/065	65				
	EL90/080	80				
	EL90/100	100				
	EL90/125	125				
	EL90/150	150				
	EL90/200	200				
	EL90/225	225				
	EL90/300	300				
	EL90/350	350				
EL90/375	375					
<b>Elbow 45°</b> 	EL45/015	15				
	EL45/020	20				
	EL45/025	25				
	EL45/032	32				
	EL45/040	40				
	EL45/050	50				
	EL45/065	65				
	EL45/080	80				
	EL45/100	100				
	EL45/125	125				
	EL45/150	150				
	EL45/200	200				
	EL45/225	225				
	EL45/300	300				
	EL45/350	350				
EL45/375	375					
<b>Elbow 90° Plain/Threaded</b> 	EL90PT/015	15x1/2"				
	EL90PT/020	20x3/4"				
	EL90PT/025	25x1"				
<b>Bend 90°, Socket End</b> 	BE90M/015	15				
	BE90M/020	20				
	BE90M/025	25				
	BE90M/032	32				
	BE90M/040	40				
	BE90M/050	50				
	BE90M/065	65				
	BE90M/080	80				
	BE90M/100	100				
	<b>Reducing Socket</b> 	RSO/020x015				
RSO/025x020		25x20				
RSO/032x025		32x25				
RSO/040x025		40x25				
RSO/050x040		50x40				
RSO/080x050		80x50				
RSO/100x080		100x80				
RSO/150x100		150x100				
RSO/200x150	200x150					
<b>Reducing Bush Plain</b> 	RBP/020x015	20x15				
	RBP/025x015	25x15				
	RBP/025x020	25x20				
	RBP/032x015	32x15				
	RBP/032x020	32x20				
	RBP/032x025	32x25				
	RBP/040x015	40x15				
	RBP/040x020	40x20				
	RBP/040x025	40x25				
	RBP/040x032	40x32				
	RBP/050x025	50x25				
	RBP/050x032	50x32				
	RBP/050x040	50x40				
	RBP/065x050	65x50				
	RBP/080x040	80x40				
	RBP/080x050	80x50				
	RBP/080x065	80x65				
	RBP/100x050	100x50				
	RBP/100x080	100x80				
	RBP/125x100	125x100				
RBP/150x100	150x100					
RBP/150x125	150x125					
RBP/200x150	200x150					
RBP/225x200	225x200					
RBP/300x225	300x225					
RBP/350x300	350x300					
RBP/375x350	375x350					
<b>Socket Plain/Threaded</b> 	SOPT/015	15x1/2"				
	SOPT/020	20x3/4"				
	SOPT/025	25x1"				
	SOPT/032	32x1 1/4"				
	SOPT/040	40x1 1/2"				
SOPT/050	50x2"					
<b>Socket Plain/Threaded with SS Band</b> 	SOPTSB/015	15x1/2"				
	SOPTSB/020	20x3/4"				
	SOPTSB/025	25x1"				
	SOPTSB/032	32x1 1/4"				
	SOPTSB/040	40x1 1/2"				
SOPTSB/050	50x2"					

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	FABS Code	NB (mm)			FABS Code	NB (mm)			
<b>Socket Plain</b> 	SOP/015	15		<b>Cap, Plain</b> 	CAPPL/015	15			
	SOP/020	20			CAPPL/020	20			
	SOP/025	25			CAPPL/025	25			
	SOP/032	32			CAPPL/032	32			
	SOP/040	40			CAPPL/040	40			
	SOP/050	50			CAPPL/050	50			
	SOP/065	65			CAPPL/065	65			
	SOP/080	80			CAPPL/080	80			
	SOP/100	100			CAPPL/100	100			
	SOP/125	125			CAPPL/150	150			
	SOP/150	150			PLUG/015	15			
	SOP/200	200			PLUG/020	20			
	SOP/225	225			PLUG/025	25			
	SOP/250	250			PLUG/032	32			
	SOP/300	300			PLUG/040	40			
	SOP/350	350			PLUG/050	50			
SOP/375	375								
<b>Wye Piece Female</b> 	WYE/015	15		<b>Socket Union</b>  EPDM O/Ring	SOUN/015	15			
	WYE/020	20			SOUN/020	20			
	WYE/025	25			SOUN/025	25			
	WYE/032	32			SOUN/032	32			
	WYE/040	40			SOUN/040	40			
	WYE/050	50			SOUN/050	50			
	WYE/065	65			SOUN/065	65			
<b>Male Composite Union</b> 	MCU/015	15x $\frac{1}{2}$ "		<b>Hexagon Nipple, Plain/Threaded</b> 	NIPT/015	15x $\frac{1}{2}$ "			
	MCU/020	20x $\frac{3}{4}$ "			NIPT/020	20x $\frac{3}{4}$ "			
	MCU/025	25x1"			NIPT/025	25x1"			
	MCU/032	32x1 $\frac{1}{4}$ "			NIPT/032	32x1 $\frac{1}{4}$ "			
	MCU/040	40x1 $\frac{1}{2}$ "			NIPT/040	40x1 $\frac{1}{2}$ "			
	MCU/050	50x2"			NIPT/050	50x2"			
<b>Female Composite Union</b> 	FCU/015	15x $\frac{1}{2}$ "		<b>Hexagon Nipple, Threaded</b> 	NITHD/015	$\frac{1}{2}$ "x $\frac{1}{2}$ "			
	FCU/020	20x $\frac{3}{4}$ "			NITHD/020	$\frac{3}{4}$ "x $\frac{3}{4}$ "			
	FCU/025	25x1"			NITHD/025	1"x1"			
	FCU/032	32x1 $\frac{1}{4}$ "			NITHD/032	1 $\frac{1}{4}$ "x1 $\frac{1}{4}$ "			
	FCU/040	40x1 $\frac{1}{2}$ "			NITHD/040	1 $\frac{1}{2}$ "x1 $\frac{1}{2}$ "			
	FCU/050	50x2"			NITHD/050	2"x2"			
<b>Female Adaptor</b> 	FMADPT/015	15x $\frac{1}{2}$ "		<b>Barrel Nipple</b> 	BNIPT/080	80			
	FMADPT/020	20x $\frac{3}{4}$ "			BNIPT/100	100			
	FMADPT/025	25x1"							
	FMADPT/032	32x1 $\frac{1}{4}$ "							
	FMADPT/040	40x1 $\frac{1}{2}$ "							
	FMADPT/050	50x2"							
<b>Male Adaptor</b> 	MADPT/015	15x $\frac{1}{2}$ "		<b>Hose Tails &amp; Barbs</b> 	HOADPT/015	15			
	MADPT/020	20x $\frac{3}{4}$ "			HOADPT/020	20			
	MADPT/025	25x1"			HOADPT/025	25			
	MADPT/032	32x1 $\frac{1}{4}$ "							
	MADPT/040	40x1 $\frac{1}{2}$ "							
	MADPT/050	50x2"							
	MADPT/080	80x3"							
	MADPT/100	100x4"							
	<b>Stub Flange</b> 						<b>Stub Flange</b> 	FLSTUB/050	50
								FLSTUB/065	65
			FLSTUB/080	80					
			FLSTUB/100	100					
			FLSTUB/125	125					
			FLSTUB/150	150					
			FLSTUB/200	200					
			FLSTUB/225	225					
			FLSTUB/300	300					
			FLSTUB/350	350					
		FLSTUB/375	375						

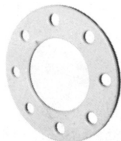
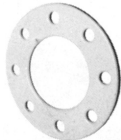
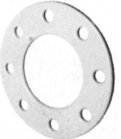
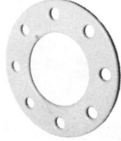
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#### ABS PRESSURE PIPE FITTINGS

	FABS Code	NB (mm)		FABS Code	NB (mm)
<b>Full Face Flange Undrilled</b> 	FLFFUD/015	15	<b>Full Face Flange Drilled ANSI 150</b> 	FLFF150/015	15
	FLFFUD/020	20		FLFF150/020	20
	FLFFUD/025	25		FLFF150/025	25
	FLFFUD/032	32		FLFF150/032	32
	FLFFUD/040	40		FLFF150/040	40
	FLFFUD/050	50		FLFF150/050	50
	FLFFUD/080	80		FLFF150/080	80
	FLFFUD/100	100		FLFF150/100	100
	FLFFUD/150	150		FLFF150/150	150
<b>Full Face Flange Drilled Table D/E</b> 	FLFFTE/015	15			
	FLFFTE/020	20			
	FLFFTE/025	25			
	FLFFTE/032	32			
	FLFFTE/040	40			
	FLFFTE/050	50			
	FLFFTE/080	80			
	FLFFTE/100	100			
FLFFTE/150	150				

#### ABS PRESSURE BACKING RINGS

	FABS Code	NB (mm)
<b>Galv Backing Ring, Table E</b> 	BRGTE/050	50
	BRGTE/065	65
	BRGTE/080	80
	BRGTE/100	100
	BRGTE/125	125
	BRGTE/150	150
	BRGTE/200	200
	BRGTE/300	300
<b>Galv Backing Ring, ANSI 150</b> 	BRG150/050	50
	BRG150/065	65
	BRG150/080	80
	BRG150/100	100
	BRG150/150	150
	BRG150/200	200
<b>Galv Backing Ring, BS4504 PN16</b> 	BRG4504/050	50
	BRG4504/065	65
	BRG4504/080	80
	BRG4504/100	100
	BRG4504/150	150
	BRG4504/200	200
<b>SS 316 Backing Ring, Table E</b> 	BRSSTE/050	50
	BRSSTE/080	80
	BRSSTE/100	100
	BRSSTE/150	150

#### ABS ACCESSORIES

	FABS Code	Size
<b>ABS Solvent Cement</b> 	CEMENT250	250ml
	CEMENT500	500ml
	CEMENT1LT	1 Litre
	CEMENT4LT	4 Litre
<b>Pipe Clips</b> 	167061086	15
	167061087	20
	167061088	25
	167061089	32
	167061090	40
	167061091	50
	167061012	65
	167061013	80
	167061114	100
<b>MEK Primer</b> 	MEK500	500ml
	MEK1LT	1 Litre
	MEK5LT	5 Litre
<b>Double Bolt Clips</b> 	FPCI/080	80
	FPCI/100	100
	FPCM/140	125
	FPCI/150	150
	FPCM/225	200
	FPCM/250	225
	FPCM/315	300
	FPCM/355	350
	FPCM/400	375
<b>Saddle Clips</b> 	PCSA/015	15
	PCSA/020	20
	PCSA/025	25
	PCSA/032	32
	PCSA/040	40
	PCSA/050	50
	PCSA/080	80
	PCSA/100	100