

## Imperial ABS Thermoplastic 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:** Condensor 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 Group 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 on (09) 477 2320**

### ABS Pipe

	CODE	NB (mm)	Price
<b>Class C, PN9 Pipe</b> 	PABSC/025	25	
	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>6m lengths</b>			
<b>Class D, PN12 Pipe</b> 	PABSD/050	50	
	PABSD/065	65	
	PABSD/080	80	
	PABSD/100	100	
	PABSD/150	150	
<b>6m lengths</b>			










	CODE	NB (mm)	Price
<b>PN10 Pipe</b> 	PABS10/065	65	
<b>6m lengths</b>			
<b>Class E, PN15 Pipe</b> 	PABSE/015	15	
	PABSE/020	20	
	PABSE/025	25	
	PABSE/032	32	
	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		
<b>6m lengths</b>			

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

PRICES INDICATED DO NOT INCLUDE GST




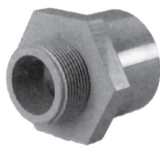
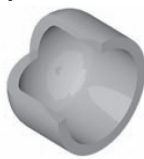

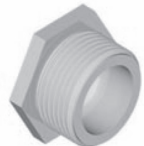






### ABS Pressure Pipe Fittings

ABS Pressure Pipe Fittings				ABS Pressure Pipe Fittings			
	FABS CODE	NB (mm)	Price		FABS CODE	NB (mm)	Price
<b>Tee</b> 	TEE/015	15		<b>Reducing Socket</b> 	RSO/020x015	20x15	
	TEE/020	20			RSO/025x020	25x20	
	TEE/025	25			RSO/032x025	32x25	
	TEE/032	32			RSO/040x025	40x25	
	TEE/040	40			RSO/050x040	50x40	
	TEE/050	50			RSO/080x050	80x50	
	TEE/065	65			RSO/100x080	100x80	
	TEE/080	80			RSO/150x100	150x100	
	TEE/100	100			RSO/200x150	200x150	
	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>Faucet Tee</b> 	TPT/015	15x $\frac{1}{2}$ "		<b>Reducing Bush Plain</b> 	RBP/020x015	20x15	
	TPT/020	20x $\frac{3}{4}$ "			RBP/025x015	25x15	
	TPT/025	25x1"			RBP/025x020	25x20	
<b>Elbow 90°</b> 	EL90/015	15			RBP/032x015	32x15	
	EL90/020	20			RBP/032x020	32x20	
	EL90/025	25			RBP/032x025	32x25	
	EL90/032	32			RBP/040x015	40x15	
	EL90/040	40			RBP/040x020	40x20	
	EL90/050	50			RBP/040x025	40x25	
	EL90/065	65			RBP/040x032	40x32	
	EL90/080	80			RBP/050x025	50x25	
	EL90/100	100			RBP/050x032	50x32	
	EL90/125	125			RBP/050x040	50x40	
	EL90/150	150			RBP/065x050	65x50	
	EL90/200	200			RBP/080x040	80x40	
	EL90/225	225			RBP/080x050	80x50	
	EL90/300	300			RBP/080x065	80x65	
	EL90/350	350			RBP/100x050	100x50	
EL90/375	375		RBP/100x080		100x80		
<b>Elbow 45°</b> 	EL45/015	15			RBP/125x100	125x100	
	EL45/020	20			RBP/150x100	150x100	
	EL45/025	25			RBP/150x125	150x125	
	EL45/032	32			RBP/200x150	200x150	
	EL45/040	40			RBP/225x200	225x200	
	EL45/050	50			RBP/300x225	300x225	
	EL45/065	65		RBP/350x300	350x300		
	EL45/080	80		RBP/375x350	375x350		
	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	15x $\frac{1}{2}$ "		<b>Socket Plain</b> 	SOP/015	15	
	EL90PT/020	20x $\frac{3}{4}$ "			SOP/020	20	
	EL90PT/025	25x1"			SOP/025	25	
<b>Elbow 90° With Steel Band</b> 	SOPT/015	15x $\frac{1}{2}$ "			SOP/032	32	
	SOPT/020	20x $\frac{3}{4}$ "			SOP/040	40	
	SOPT/025	25x1"			SOP/050	50	
	SOPT/032	32x1 $\frac{1}{4}$ "			SOP/065	65	
	SOPT/040	40x1 $\frac{1}{2}$ "			SOP/080	80	
	SOPT/050	50x2"			SOP/100	100	
	SOPTSB/015	15x $\frac{1}{2}$ "			SOP/125	125	
	SOPTSB/032	32x1 $\frac{1}{4}$ "			SOP/150	150	
	SOPTSB/040	40x1 $\frac{1}{2}$ "			SOP/200	200	
	SOPTSB/050	50x2"			SOP/225	225	
					SOP/250	250	
					SOP/300	300	
				SOP/350	350		
				SOP/375	375		

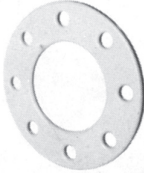
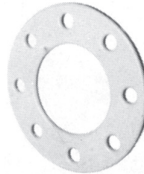
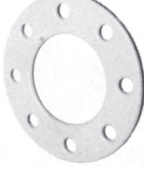




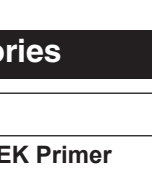
### ABS Pressure Pipe Fittings cont...

	FABS CODE	NB (mm)	Price		FABS CODE	NB (mm)	Price
<b>Bend 90° Socket End</b>  	BE90M/015	15		<b>Female Adaptor</b>  	FMADPT/015	15x $\frac{1}{2}$ "	
	BE90M/020	20			FMADPT/020	20x $\frac{3}{4}$ "	
	BE90M/025	25			FMADPT/025	25x1"	
	BE90M/032	32			FMADPT/032	32x1 $\frac{1}{4}$ "	
	BE90M/040	40			FMADPT/040	40x1 $\frac{1}{2}$ "	
	BE90M/050	50			FMADPT/050	50x2"	
	BE90M/065	65					
	BE90M/080	80					
	BE90M/100	100					
	*Larger sizes available on request						
<b>Wye Piece Female</b>  	WYE/015	15		<b>Male Adaptor</b>  	MADPT/015	15x $\frac{1}{2}$ "	
	WYE/020	20			MADPT/020	20x $\frac{3}{4}$ "	
	WYE/025	25			MADPT/025	25x1"	
	WYE/032	32			MADPT/032	32x1 $\frac{1}{4}$ "	
	WYE/040	40			MADPT/040	40x1 $\frac{1}{2}$ "	
	WYE/050	50			MADPT/050	50x2"	
	WYE/065	65			MADPT/080	80x3"	
	WYE/080	80			MADPT/100	100x4"	
	WYE/100	100					
	WYE/150	150					
<b>Cap, Plain</b>  	CAPPL/015	15		<b>Hexagon Nipple Plain/Threaded</b>  	NIPT/015	15x $\frac{1}{2}$ "	
	CAPPL/020	20			NIPT/020	20x $\frac{3}{4}$ "	
	CAPPL/025	25			NIPT/025	25x1"	
	CAPPL/032	32			NIPT/032	32x1 $\frac{1}{4}$ "	
	CAPPL/040	40			NIPT/040	40x1 $\frac{1}{2}$ "	
	CAPPL/050	50			NIPT/050	50x2"	
	CAPPL/065	65					
	CAPPL/080	80					
	CAPPL/100	100					
	CAPPL/150	150					
*Larger sizes available on request							
<b>Plug</b>  	PLUG/015	15		<b>Hexagon Nipple Threaded</b>  	NITHD/015	$\frac{1}{2}$ "x $\frac{1}{2}$ "	
	PLUG/020	20			NITHD/020	$\frac{3}{4}$ "x $\frac{3}{4}$ "	
	PLUG/025	25			NITHD/025	1"x1"	
	PLUG/032	32			NITHD/032	1 $\frac{1}{4}$ "x1 $\frac{1}{4}$ "	
	PLUG/040	40			NITHD/040	1 $\frac{1}{2}$ "x1 $\frac{1}{2}$ "	
	PLUG/050	50			NITHD/050	2"x2"	
<b>Stub Flange</b>  	FLSTUB/050	50		<b>Barrel Nipple</b>  	BNIPT/080	80	
	FLSTUB/065	65			BNIPT/100	100	
	FLSTUB/080	80		<b>Socket Union</b>  	SOUN/015	15	
	FLSTUB/100	100			SOUN/020	20	
	FLSTUB/125	125			SOUN/025	25	
	FLSTUB/150	150			SOUN/032	32	
	FLSTUB/200	200			SOUN/040	40	
	FLSTUB/225	225			SOUN/050	50	
	FLSTUB/300	300			SOUN/065	65	
	FLSTUB/350	350			SOUN/080	80	
FLSTUB/375	375		SOUN/100	100			
<b>Male Composite Union</b>	MCU/032	32x1 $\frac{1}{4}$ "		<b>Hose Tails &amp; Barbs</b>	HOADPT/015	15	
	MCU/040	40x1 $\frac{1}{2}$ "			HOADPT/020	20	
					HOADPT/025	25	
				*Others sizes can be manufactured on request			


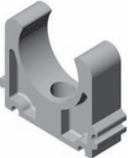




### ABS Pressure Pipe Fittings cont...

	FABS CODE	NB (mm)	Price
<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	

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

### ABS Accessories

	FABS CODE	Size	Price
<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	
**Refer to Pipe Clips price list for current pricing			

	FABS CODE	Size	Price
<b>MEK Primer</b> 	MEK500	500ml	
	MEK1LT	1 Litre	
	MEK5LT	5 Litre	
<b>Saddle 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	
**Refer to Pipe Clips price list for current pricing			