

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: 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.


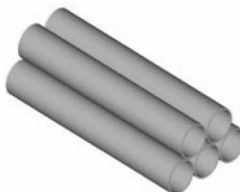


Infrastructure: Potable Water Distribution, Property Services, Buried Fire mains, Rising Mains.

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

The ABS Pipe System

Asmuss 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.


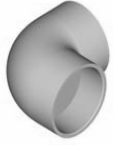



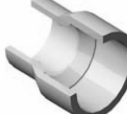



For installation or technical queries on ABS please contact our sales team.

ABS PIPE					
	Code	NB (mm)		Code	NB (mm)
Class C, PN9 Pipe  6m lengths	PABSC/025	25	PN10 Pipe  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			
Class D, PN12 Pipe  6m lengths	PABSD/050	50	Class E, PN15 Pipe  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)					
Tee 	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										
Elbow 90° 	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										
Elbow 45° 	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										
Elbow 90° Plain/Threaded 	EL90PT/015	15x1/2"									
	EL90PT/020	20x3/4"									
	EL90PT/025	25x1"									
Bend 90°, Socket End 	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									
	Reducing Socket 	RSO/020x015					20x15				
RSO/025x020		25x20									
RSO/032x025		32x25									
RSO/040x025		40x25									
RSO/050x040		50x40									
RSO/080x050		80x50									
RSO/100x080		100x80									
RSO/150x100		150x100									
RSO/200x150		200x150									
Reducing Bush Plain 		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									
Socket Plain/Threaded 	SOPT/015	15x1/2"									
	SOPT/020	20x3/4"									
	SOPT/025	25x1"									
	SOPT/032	32x1 1/4"									
	SOPT/040	40x1 1/2"									
	SOPT/050	50x2"									
	Socket Plain/Threaded with SS Band 	SOPTSB/015					15x1/2"				
		SOPTSB/020					20x3/4"				
		SOPTSB/025					25x1"				
		SOPTSB/032					32x1 1/4"				
SOPTSB/040		40x1 1/2"									
SOPTSB/050		50x2"									




ABS PRESSURE PIPE FITTINGS

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

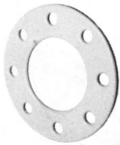
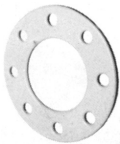
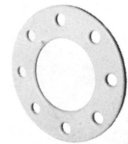
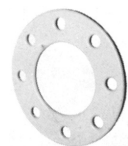
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ABS PRESSURE PIPE FITTINGS

	FABS Code	NB (mm)		FABS Code	NB (mm)
Full Face Flange Undrilled 	FLFFUD/015	15	Full Face Flange Drilled ANSI 150 	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
Full Face Flange Drilled Table D/E 	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)
Galv Backing Ring, Table E 	BRGTE/050	50
	BRGTE/065	65
	BRGTE/080	80
	BRGTE/100	100
	BRGTE/125	125
	BRGTE/150	150
	BRGTE/200	200
	BRGTE/300	300
Galv Backing Ring, ANSI 150 	BRG150/050	50
	BRG150/065	65
	BRG150/080	80
	BRG150/100	100
	BRG150/150	150
	BRG150/200	200
Galv Backing Ring, BS4504 PN16 	BRG4504/050	50
	BRG4504/065	65
	BRG4504/080	80
	BRG4504/100	100
	BRG4504/150	150
	BRG4504/200	200
SS 316 Backing Ring, Table E 	BRSSSTE/050	50
	BRSSSTE/080	80
	BRSSSTE/100	100
	BRSSSTE/150	150

ABS ACCESSORIES

	FABS Code	Size
ABS Solvent Cement 	CEMENT250	250ml
	CEMENT500	500ml
	CEMENT1LT	1 Litre
	CEMENT4LT	4 Litre
Pipe Clips 	167061086	15
	167061087	20
	167061088	25
	167061089	32
	167061090	40
	167061091	50
	167061012	65
	167061013	80
	167061114	100
MEK Primer 	MEK500	500ml
	MEK1LT	1 Litre
	MEK5LT	5 Litre
Double Bolt Clips 	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	
Saddle Clips 	PCSA/015	15
	PCSA/020	20
	PCSA/025	25
	PCSA/032	32
	PCSA/040	40
	PCSA/050	50
	PCSA/080	80
	PCSA/100	100