

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.

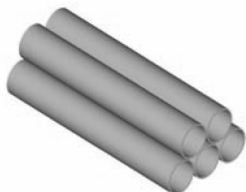
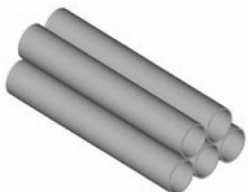


Infrastructure: Potable Water Distribution, Property Services, Buried Fire mains, Rising Mains.

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.



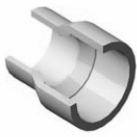
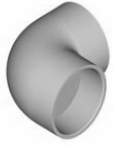





ABS PIPE					
	Code	NB (mm)		Code	NB (mm)
Class C, PN9 Pipe  6m lengths	PABSC/025	25	PN10 Pipe  5m lengths	PABS10/065	65
	PABSC/032	32			
	PABSC/040	40			
	PABSC/050	50			
	PABSC/080	80			
	PABSC/100	100			
	PABSC/150	150			
	PABSC/200	200			
	PABSC/225	225			
	PABSC/300	300			
	PABSC/350	350			
Class 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	Bend 90°, Socket End 	BE90M/015	15	
	TEE/020	20		BE90M/020	20	
	TEE/025	25		BE90M/025	25	
	TEE/032	32		BE90M/032	32	
	TEE/040	40		BE90M/040	40	
	TEE/050	50		BE90M/050	50	
	TEE/065	65		BE90M/065	65	
	TEE/080	80		BE90M/080	80	
	TEE/100	100		BE90M/100	100	
	TEE/125	125		Reducing Socket 	RSO/020x015	20x15
	TEE/150	150			RSO/025x020	25x20
	TEE/200	200			RSO/032x025	32x25
	TEE/225	225			RSO/040x025	40x25
	TEE/250	250			RSO/050x040	50x40
	TEE/300	300			RSO/080x050	80x50
	TEE/315	315			RSO/100x080	100x80
	TEE/350	350			RSO/150x100	150x100
TEE/375	375	RSO/200x150	200x150			
Elbow 90° 	EL90/015	15	Reducing Bush Plain 		RBP/020x015	20x15
	EL90/020	20		RBP/025x015	25x15	
	EL90/025	25		RBP/025x020	25x20	
	EL90/032	32		RBP/032x015	32x15	
	EL90/040	40		RBP/032x020	32x20	
	EL90/050	50		RBP/032x025	32x25	
	EL90/065	65		RBP/040x015	40x15	
	EL90/080	80		RBP/040x020	40x20	
	EL90/100	100		RBP/040x025	40x25	
	EL90/125	125		RBP/040x032	40x32	
	EL90/150	150		RBP/050x025	50x25	
	EL90/200	200		RBP/050x032	50x32	
	EL90/225	225		RBP/050x040	50x40	
EL90/300	300	RBP/065x050	65x50			
EL90/350	350	RBP/080x040	80x40			
EL90/375	375	RBP/080x050	80x50			
Elbow 45° 	EL45/015	15	Socket Plain/Threaded 	SOPT/015	15x½"	
	EL45/020	20		SOPT/020	20x¾"	
	EL45/025	25		SOPT/025	25x1"	
	EL45/032	32		SOPT/032	32x1¼"	
	EL45/040	40		SOPT/040	40x1½"	
	EL45/050	50		SOPT/050	50x2"	
	EL45/065	65		Socket Plain/Threaded with SS Band 	SOPTSB/015	15x½"
	EL45/080	80			SOPTSB/020	20x¾"
	EL45/100	100			SOPTSB/025	25x1"
	EL45/125	125			SOPTSB/032	32x1¼"
	EL45/150	150			SOPTSB/040	40x1½"
	EL45/200	200			SOPTSB/050	50x2"
	EL45/225	225				
	EL45/300	300				
	EL45/350	350				
	EL45/375	375				
	Elbow 90° Plain/Threaded 	EL90PT/015		15x½"		
EL90PT/020		20x¾"				
EL90PT/025		25x1"				

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	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/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					
Wye Piece Female 	WYE/015	15		Socket Union  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
Male Composite Union 	MCU/015	15x1/2"		Hexagon Nipple, Plain/Threaded 	NIPT/015	15x1/2"
	MCU/020	20x3/4"			NIPT/020	20x3/4"
	MCU/025	25x1"			NIPT/025	25x1"
	MCU/032	32x1 1/4"			NIPT/032	32x1 1/4"
	MCU/040	40x1 1/2"			NIPT/040	40x1 1/2"
	MCU/050	50x2"			NIPT/050	50x2"
Female Composite Union 	FCU/015	15x1/2"		Hexagon Nipple, Threaded 	NITHD/015	1/2"x1/2"
	FCU/020	20x3/4"			NITHD/020	3/4"x3/4"
	FCU/025	25x1"			NITHD/025	1"x1"
	FCU/032	32x1 1/4"			NITHD/032	1 1/4"x1 1/4"
	FCU/040	40x1 1/2"			NITHD/040	1 1/2"x1 1/2"
	FCU/050	50x2"			NITHD/050	2"x2"
Female Adaptor 	FMADPT/015	15x1/2"		Barrel Nipple 	BNIPT/080	80
	FMADPT/020	20x3/4"			BNIPT/100	100
	FMADPT/025	25x1"				
	FMADPT/032	32x1 1/4"				
	FMADPT/040	40x1 1/2"				
Male Adaptor 	FADPT/050	50x2"		Hose Tails & Barbs 	HOADPT/015	15
	MADPT/015	15x1/2"			HOADPT/020	20
	MADPT/020	20x3/4"			HOADPT/025	25
	MADPT/025	25x1"				
	MADPT/032	32x1 1/4"				
	MADPT/040	40x1 1/2"				
	MADPT/050	50x2"				
	MADPT/080	80x3"				
	MADPT/100	100x4"				
	Stub Flange 					
			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		

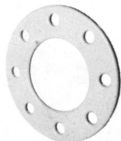
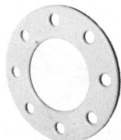
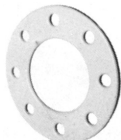
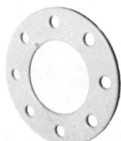
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	FABS Code	NB (mm)		FABS Code	NB (mm)
Full Face Flange Undrilled 	FLFFUD/015	15	Full Face Flange Drilled ANSI 150 	FLFF150/015	15
	FLFFUD/020	20		FLFF150/020	20
	FLFFUD/025	25		FLFF150/025	25
	FLFFUD/032	32		FLFF150/032	32
	FLFFUD/040	40		FLFF150/040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