

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

Plastic Systems 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
Class C, PN9 Pipe 	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	
6m lengths	PABSC/375	375	
Class D, PN12 Pipe 	PABSD/050	50	
	PABSD/065	65	
	PABSD/080	80	
	PABSD/100	100	
	PABSD/150	150	
	6m lengths		

	CODE	NB (mm)	Price
PN10 Pipe 	PABS10/065	65	
	6m lengths		
Class E, PN15 Pipe 	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	
6m lengths	PABSE/300	300	

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

PRICES INDICATED DO NOT INCLUDE GST



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Pipe • Fittings • Valving • Measurement & Control

www.plasticsystems.co.nz




ABS Pressure Pipe Fittings



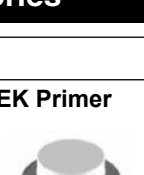
		FABS CODE	NB (mm)	Price			FABS CODE	NB (mm)	Price
Tee 		TEE/015	15		Reducing Socket 		RSO/020x015	20x15	
		TEE/020	20			RSO/025x020	25x20		
		TEE/025	25			RSO/032x025	32x25		
		TEE/032	32			RSO/040x025	40x25		
		TEE/040	40			RSO/050x040	50x40		
		TEE/050	50			RSO/080x050	80x50		
		TEE/065	65			RSO/100x080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

ABS Pressure Pipe Fittings cont...



	FABS CODE	NB (mm)	Price		FABS CODE	NB (mm)	Price
Bend 90° Socket End 	BE90M/015	15		Female Adaptor 	FMADPT/015	15x1/2"	
	BE90M/020	20			FMADPT/020	20x3/4"	
	BE90M/025	25			FMADPT/025	25x1"	
	BE90M/032	32			FMADPT/032	32x1 1/4"	
	BE90M/040	40			FMADPT/040	40x1 1/2"	
	BE90M/050	50			FMADPT/050	50x2"	
	BE90M/065	65					
	BE90M/080	80					
	BE90M/100	100					
	*Larger sizes available on request						
Wye Piece Female 	WYE/015	15		Male Adaptor 	MADPT/015	15x1/2"	
	WYE/020	20			MADPT/020	20x3/4"	
	WYE/025	25			MADPT/025	25x1"	
	WYE/032	32			MADPT/032	32x1 1/4"	
	WYE/040	40			MADPT/040	40x1 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					
Cap, Plain 	CAPPL/015	15		Hexagon Nipple Plain/Threaded 	NIPT/015	15x1/2"	
	CAPPL/020	20			NIPT/020	20x3/4"	
	CAPPL/025	25			NIPT/025	25x1"	
	CAPPL/032	32			NIPT/032	32x1 1/4"	
	CAPPL/040	40			NIPT/040	40x1 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							
Plug 	PLUG/015	15		Hexagon Nipple Threaded 	NITHD/015	1/2"x1/2"	
	PLUG/020	20			NITHD/020	3/4"x3/4"	
	PLUG/025	25			NITHD/025	1"x1"	
	PLUG/032	32			NITHD/032	1 1/4"x1 1/4"	
	PLUG/040	40			NITHD/040	1 1/2"x1 1/2"	
	PLUG/050	50			NITHD/050	2"x2"	
Stub Flange 	FLSTUB/050	50		Barrel Nipple 	BNIPT/080	80	
	FLSTUB/065	65			BNIPT/100	100	
	FLSTUB/080	80		Socket Union 	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			
Male Composite Union	MCU/032	32x1 1/4"		Hose Tails & Barbs 	HOADPT/015	15	
	MCU/040	40x1 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
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	

	FABS CODE	NB (mm)	Price
Full Face Flange Undrilled 	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	
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	
Full Face Flange Drilled ANSI 150 	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
ABS Solvent Cement 	CEMENT250	250ml	
	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	
**Refer to Pipe Clips price list for current pricing			

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