



**PLASTIQUES  
SOLUTIONS  
CEM INC.**

# ABS Minepipe



**McMines  
Inc.**

**793, rue Chicobi, Launay, Québec, J0Y 1W0  
Téléphone : 819-732-8775 Fax: 819-732-8224**



Plastique Solution CEM Inc. offers a comprehensive range of ABS pipe from 2" to 6" in SWP outside diameters. The recommended continuous working pressures are identified by the SWP number (SWP 125 & 175), at 73°F. The pipe is smaller than IPS dimensions. The victaulic adapter sleeve comes with a groove and the OD is IPS dimensions. The pipe is thickest at the groove, not downrating your pressure rating.

SWP MINEPIPE					
		ABS/SWP 125 (PSI) SDR-21		ABS/SWP 175 (PSI) SDR-15.3	
Dimension	Outside Diameter	Minimum Wall	Weight lbs./foot.	Minimum Wall	Weight lbs./ft.
2"	2.250"	0.107"	0.356	0.147"	0.497
3"	3.250"	0.155"	0.743	0.212"	1.001
4"	4.100"	0.195"	1.182	0.268"	1.591
6"	6.220"	0.296"	2.723	0.407"	3.665

## Advantages

- **Lightweight:** 70% to 90% lighter than steel. Light weight allows installation without heavy equipment or excessive manpower.
- **Chemically Resistant:** Excellent resistance to most chemicals.
- **Easy transition:** ABS can be easily connected to other piping materials through Victaulic couplings or flanges.
- **Rigid:** Piping system allows for suspension on hangers to accommodate field or building specifications.
- **Toughness:** Pipe characteristics maintain impact and abrasion resistance at low temperatures.
- **Joining:** Solvent weld efficiently bonds sections together for strong couplings. Flange and Victaulic couplings. Victaulic adapters are solvent welded on, no need for grooving pipe.
- **Flow:** The smooth interior surface prevents mineral buildup and scaling.



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## NOMINAL PHYSICAL PROPERTIES

Plastique Solution CEM Inc. extrudes and fabricates its ABS pipe from quality resins to provide an excellent combination of impact resistance, strength, long life, and lightweight features.

### MECANICAL ASTM

Tensile strength at yield	4500 psi	31.0 Mpa	D638
Elongation at yield	3.0%	3.0%	D638
Elongation at fail	30%	30%	D638
Modulus of elasticity (in tension)	220,000 psi	1517 Mpa	D838
Izod impact, notched 1/2" x 1/2" bar, .010"notch	7.0 ft.lbs. per inch of notch	0.37 J/mm of notch	D256
Thermal expansion (linear)	$5.2 \times 10^{-5}$ in/in/°F	$9.4 \times 10^{-5}$ mm/mm/°C	D690
Specific Gravity	1.04	1.04	D792

### THERMAL ASTM

Deflection Temperature under load 1/2" x 1/2" bar, injection molded,	185°F at 264 psi fiber stress	55°C at 1.82 MPa fiber stress	D648
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## RECOMMENDED DESIGN PRESSURES AT ELEVATED TEMPERATURES

Temperature		Percent rated of Constant pressure
°F	°C	
73.4	23	100%
90	32	86%
100	38	81%
140	60	60%

## CATALOGUE



11°



22,5°



45°



90°



Jumbo crate 4" 175



Crate 430-4"-125



Vic 2"



Vic 3"



Vic 4"



Vic 4"



Vic 4"



Vic 4" et couplage PVC



To ensure a proper solvent weld for long life, the pipe surface at the joint must be cleaned, and prepared with an ABS cleaner. Several brands of solvent cements and cleaners are available. Plastique Solution CEM Inc. recommends the use of Sluyter Chemical's 66 Y or 55 Y ABS solvent cement and 33 Cleaner for surface preparation.

## CONTACT

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