



U.S Military base relocation project in Pyeongtaek, Korea.

- AWWA C900 12" for main water supply line (Site Scale : 14,650,000m² (3,620ac) / Sales amount : US\$ 4 million)



Head Office and Hwaseong Plant

PYUNGWHA PIPE INDUSTRY

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www.ipvcpipe.com

NSF National Sanitation Foundation
ASTM American Society for Testing and Materials

Stronger than iron

INCREDIBLY / IMPROVED / IMPACT / RESISTANT iPVC
iPVC™ Pipe **WATER PIPE**



PPI PYUNGWHA presented a new standard of PVC pipe

- Conference name : ISO/TC 138(Plastics pipes and fittings for water supplies)Plenary & WGs Meeting
- Date : 2014. 10. 20(Monday) ~ 10. 24(Friday)
- Presenter : Ms. Agnes Lee(Director/Overseas dept.)



Excellent properties of iPVC compare with international standard

Test Item	iPVC™	PVC					
		International Standard	KOREA	USA		GERMANY	JAPAN
		ISO 4422	KS M 3401	ASTM D 1784	AWWA C 900	DIN 8062	JIS K 6742
Tensile strength (Mpa)	53	45	43	48.3	48.3	45	40
Drop weight Impact strength (weight)	3.0m / 9.84' 9kg / 19.84 (lb)	1.6m / 5.25' 1kg / 2.20 (lb)	1.5m / 4.92' 9kg / 19.84 (lb)	-	-	1.6m / 5.25' 1kg / 2.20 (lb)	1.5m / 4.92' 9kg / 19.84 (lb)
Hydrostatic water pressure (68F, 42.0MPa)	18hours	1hour	1hour	1hour	1hour	1hour	1hour

※ iPVC test method(N.S:100mm, in average): ISO1167-1, ASTM D 2444, KS M 3401

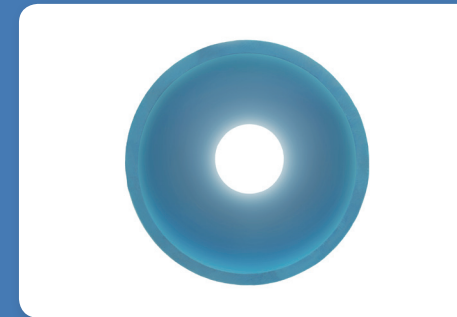
※ ASTM D2837 Hydrostatic Design Basis(HDS) 4,500 PSITesting

CERTIFICATIONS & APPROVALS

NSF (CERTIFICATION)



FED (APPROVAL)



iPVC WATER PIPE

iPVC pipe is a long lasting pipe confirmed to last a 100 year durability by ISO1167-1 evaluation. In addition, iPVC obtained NSF Certification, ASTM, AWWA approvals and received FED approval from U.S Department of defense.

PRODUCTION STANDARDS

- ASTM D 1785 1/2" ~ 12" SCH 40, 80, 120
- AWWA C 900 4" ~ 12" DR 14, 18, 25
- KS M 3401 16mm ~ 400mm