

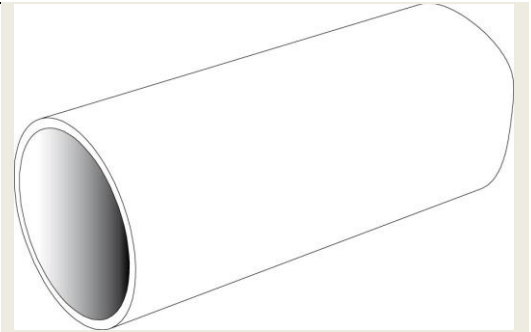
**Petroplas® Single Wall Pipe, UL971 Listed Inner**

**Description**

Petroplas® Single wall pipe is a proven Semi-Rigid fluorinated UV enhanced HDPE pipe system. It is the only pipe system to fluorinate the interior and exterior of the primary pipe, thus providing unparalleled protection.

When used in conjunction with Frialen® electro fusion fuel fittings and a Friamat® electro fusion welder, it provides a UL971 compliant fuel installation with a 30 year life span.

Petroplas® pipe is available in sizes from ½" to 30" nominal bore. Sizes up to and including 3" are available in 20ft sticks and 164ft coils (longer coils available with special order). Sizes 4" and larger are available in 20ft sticks only.



**Applications**

- Service Stations
- Marinas
- Fuel Terminals
- Moist and marshy areas
- Pipelines
- Refineries
- Harbors
- Stand-by Generators
- Airports
- Non-Contaminated and Contaminated sites

**Specifications**

- Pipe Type : Fluorinated HDPE Single wall pipe with a 30 year design life and product warranty.
- Connections : Frialen electro fusion fittings, including couplers, elbows, tees, end caps and saddles
- Transitions : Plated Steel with NPT thread, electro fusible spigot end, fluorinated
- Operating pressures : Pressure, vacuum or liquid fill
  - Primary : 150 psi
- Test pressure :
  - Primary : 150 psi
- Approved Fuel Types : All Petroleum Products (Motor Vehicle Fuels, High Blend Fuels, Concentrated Fuels, Aviation & Marine Fuels) E85 and Biodiesel
- Operating Temperatures : -40°F (-40°C) to 140°F (60°C)

**Installation**

Installation, use, and maintenance of all Petroplas® products shall be in accordance with the manufacturer’s recommendations, State and county approvals. In event of conflicts, the stricter requirement shall govern. (IPP installation manual available directly from IPP, or at [www.innovativepetroleum.com](http://www.innovativepetroleum.com))

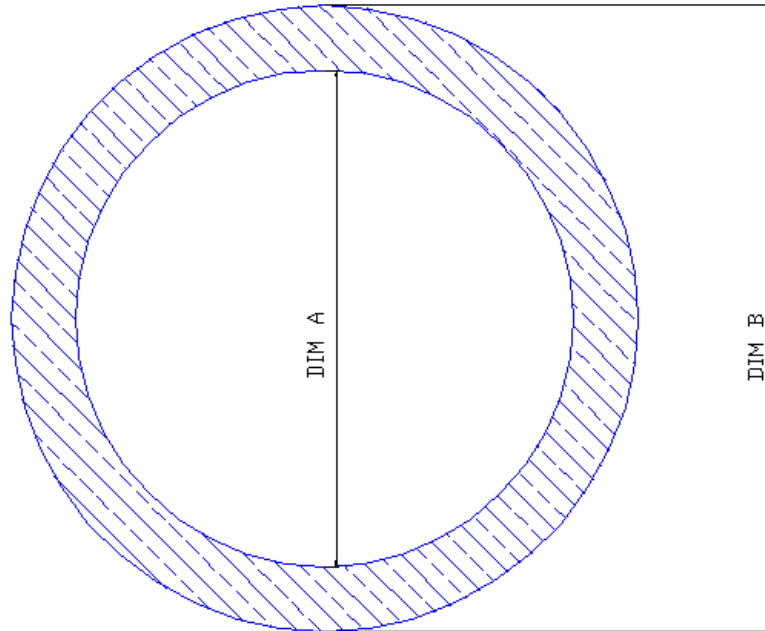
**Certifications/Approvals**

- UL 971 approved Primary File # MH45430
- Institute of Petroleum Cert # BC63/1010/98/001 And cert # BC63/0115/2000/001
- Shell International Procurement Certification Cert # BC63/1010/98/002
- Florida Approval EQ 683 & EQ 617
- Michigan Approval MUSTR – Rule 9, subsections 280.20 (b)
- New York City Fire Dept. CoA 5117
- California State Fire Marshall Certification # GVRC 005:060:001



Pipe ID	Part#	Dim A	Dim B	Mass Per Foot in LBS.
Primary Actual				
½"	9020/10/6-50MT	¾"	0.64"	0.09
¾"	9025/10/6-50MT	¾"	1"	0.11
1¼"	9040/10/6-50MT	1¼"	1.6"	0.31
1½"	9050/10/6-50MT	1.6"	2"	0.45
2"	9063/10/6-50MT	2"	2.5"	0.75
3"	9090/10/6-50MT	3.3"	3.54"	1.03
4"	90110/10/6-50MT	4"	4.33"	1.56
<b>BEND RADIUS ALL SIZES 20 times DIM B</b>				

Primary Actual				
Pipe ID	Max Flow Rate Gal/min	Fuel Velocity ft/sec	Working Pressure psi	
½"	20	12.73	150	
¾"	24	14.25	150	
1¼"	49	12.4	150	
1½"	77	12.43	150	
2"	116	11.81	150	
3"	296	10.73	110	
4"	367	10.27	110	



NAME	GB	TITLE	Petroplas SW Pipe Dimensions and Bend Radius	DATE	DRAWING NO
MATERIAL	HDPE	A1		4/06	PP001
PART/REF	Pplus 2/25'				
PROJECTION	SCALE				