

- PRODUCT NAME** : **ASTM F714 PIPE øE 1" øI 0.760" ESP 0.120" SDR 11 PE 4710 200 PSI YELLOW**
- OPERATING PRESSURE** : **200 PSI**
- DESCRIPTION** : GLOBALPLAST SAC pipes are manufactured with 100% virgin High Density Polyethylene resin (HDPE) which is extremely strong, durable, flexible, and resistant to corrosion, abrasion and chemicals.
- USE AND APPLICATIONS** : The pipeline can transport Water, Wastewater, Chemicals, Toxic Waste, Mine Tailings, Compressed Gases and Petroleum. It is mostly used for transporting natural gas as there is no tolerance for drips and leaks and no risk of corrosion.
- FEATURES AND BENEFITS** :
- Zero Leaks, Zero Drips.
  - Durability and long term resistance.
  - High pressure and impact resistant.
  - Suitable for extreme climates.
  - Resistance to corrosion and Chemicals.
  - Lower Installation Costs.
  - Easy Installation.
  - Perfect for Trenchless Installations.
  - Light Weight and Flexible.
  - Eco friendly.
  - Non Toxic.
  - Low thermal conductivity.
  - High Abrasion and Corrosion Resistance.
- RECOMMENDATIONS** :
- Working temperature: 23° C (as the temperature increases, the Nominal Pressure decreases).
  - Transportation: Vehicles should support the full length of the pipes. When loading and unloading, do not hit, drag or pull them in order not to damage their surface.
  - Storage: Place them on flat or uniform surfaces, without point loads, such as stones or sharp objects, support with wooden slats can be used with a separation of 1 m between each support and lateral wedges that prevent the displacement of the rows."

**DETAILS** :

TEST DESCRIPTIONS		SPECIFICATION		
<b>GENERAL FEATURES</b>	Smooth internal and external surface.	smooth internal and external surface, uniform color. It shall not present cracks, fissures, perforations, or incrustations of foreign material, cavities or bubbles		
	Clean internal and external surface.			
	Internal and external surface free of visible impurities.			
	Internal and external surface Free of pores, cavities and irregularities.			
	Cut ends clean and square to the pipe axis.			
	Uniform color.			
<b>SIZING</b>	Minimum External Diameter (mm)	33.27		
	Maximum External Diameter (mm)	33.53		
	Minimum wall thickness (mm)	3.05		
	Maximum wall thickness (mm)	3.56		
	Minimum Inner Diameter (mm)	26.15		
	Maximum Inner Diameter (mm)	27.43		
	Weight Kg/average meter	0.296		
	Total length (m)	ACCORDING TO AGREEMENT		
Product presentation (units)	Pipe of 12 meters each			
<b>TESTS</b>	Hydrostatic Pressure Test	They are tested according to ASTM D1598. TEST DURATION: 5 seconds  Tested according to ISO 6259-1, -3 Requirement Annex A - Minimum accepted elongation: 350%. (*Can replace the Pressure test)		
	Pipe test pressure (Bar.)			44.00
	Elongation at Break Test			
	Longitudinal Elongation Value (%)			≥ 350%
<b>LABELING</b>		It is labeled according to ASTM F714-14 Chapter 9.		

**STANDARD / SPECIFICATION :**

- ASTM F714 "Standard Specification for Polyethylene (PE) Plastic Pipe (SDR-PR) Based on Outside Diameter".
- ASTM D1598 "Standard Test Method for Time-to-Failure of Plastic Pipe Under Constant Internal Pressure".
- ISO 6259 -1, -3 "Thermoplastics pipes – Determination of tensile properties".
- ASTM D 3350 "Standard Specification for Polyethylene Plastics Pipe and Fittings Materials".

manufacture of HDPE polyethylene pipes  
NTP ISO 4427-2, NTP ISO 8772, ASTM F714 and API Spec 15LE Standards