

- PRODUCT NAME** : TUBE ISO 4427 øE 32 mm øI 26.0 mm ESP 3.0 SDR 11 PE 100 PN 16 BLUE
- OPERATING PRESSURE** : 232 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.
- UV PROTECTION** : In addition, the black pipe has UV protection which allows to minimize degradation and contains 2 to 2.5% carbon black, so it can be installed and stored outdoors in most climates for extended periods of time without damage or loss of physical properties.
- USE AND APPLICATIONS** : The pipeline can transport water (for human consumption), sewage, 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. It is also used as a means of protection for the passage of electrical cables.
- 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.
- MAINTENANCE** : In general, maintenance is not performed, only their resistance and useful life is evaluated in order to change them. The following operation is recommended: Visual inspection.
- 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	
GENERAL FEATURES	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.			
SIZING	Minimum External Diameter (mm)	32.00	
	Maximum External Diameter (mm)	32.30	
	Minimum wall thickness (mm)	3.00	
	Maximum wall thickness (mm)	3.40	
	Minimum Inner Diameter (mm)	25.20	
	Maximum Inner Diameter (mm)	26.30	
	Weight Kg/average meter	0.276	
	Total length (m)	ACCORDING TO AGREEMENT	
Product presentation (units)	Pipe of 12 meters each		
TESTS	Hydrostatic Pressure Test	They are tested according to NTP-ISO 1167 for 1 hour at 20° C and must meet the requirements of the table in Annex C of NTP-ISO 4427-2.	
	Pipe test pressure (Bar.)		28.00
	Elongation at Break Test	Tested according to ISO 6259-1, -3 Requirement Annex A The minimum accepted elongation: 350%. They are tested according to NTP-ISO 2505 having to meet the requirements of Annex A: The minimum accepted reversion is ≤ 3%. Valid for pipes with thickness ≤ 16 mm.	
	Longitudinal Elongation Value (%)		≥ 350%
	Longitudinal reversion test ≤ 3%, 110 °C (half air)		
Value of longitudinal reversion (%)	≤ 3%		
LABELING		It is labeled according to NTP-ISO 4427 Chapter 11 (Table 6) : GLOBALPLAST SAC TLF. 7196883 32mm x 3mm SDR 11 PE 100 PN 16 NTP-ISO 4427 DATE/TIME IND. PERUVIAN	

STANDARD / SPECIFICATION :

- NTP-ISO 4427-2 "PLASTIC PIPING SYSTEMS. Polyethylene (PE) pipes and fittings for water supply".
 NTP-ISO 1167 "THERMOPLASTIC PIPES. Resistance to internal pressure. Test methods and parameters".
 NTP-ISO 2505 "THERMOPLASTIC PIPES. Longitudinal reversion. Test methods and parameters".
 ISO 6259 -1, -3 "Thermoplastics pipes – Determination of tensile properties".
 ISO 1133-1 "Plastics. Determination of the Melt Mass-Flow Rate and Melt Volume-Flow Rate Thermoplastics".

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