

CORRUGATED HDPE PIPES

ARGIM

MODELS
AVAILABLE FOR SALE



GENERAL DESCRIPTION

Corrugated HDPE pipes with double or single wall construction, whose external structure provides high strength and low weight. Their main application is the gravity flow conveyance of liquids. Manufactured from virgin polyethylene compounds, available in diameters ranging from 63 mm to 1000 mm, in compliance with the three most important standards on the market: AASHTO, ASTM and ISO.

Single-wall and double-wall corrugated pipes are available, as well as different colors, allowing even multiple colors within the same pipe. Pipes can be perforated for drainage applications. Perforations are manufactured in accordance with the AASHTO Class II standard.

FEATURES

- High stiffness.
- Resistance to static and dynamic loads.
- Lightweight, easy to handle and install.
- Excellent hydraulic capacity.
- Quick male-female joint connection.
- Chemical resistance.
- UV protection.
- Long service life.
- Wide range of special fittings.

APPLICATIONS

- Stormwater drainage.
- Wastewater conveyance.
- Roadway crossings.
- Drainage systems.
- Leachate piles.
- Channels.
- Bioleaching pile aeration.
- Electrical conduit systems.

TECHNICAL CHARACTERISTICS

STANDARD	NOMINAL DIAMETER	AVERAGE INTERNAL DIAMETER	AVERAGE EXTERNAL DIAMETER	ANULAR STIFFNESS AT 5% DEFLECTION
AASHTO M252 NCh 2465 ASTM F2648	63 mm (2")	53 mm	63 mm	50 psi (345 kN/m ²)
	110 mm	94 mm	110 mm	50 psi (345 kN/m ²)
	100 mm (4")	101 mm	118 mm	50 psi (345 kN/m ²)
	160 mm	135 mm	160 mm	50 psi (345 kN/m ²)
	150 mm (6")	152 mm	177 mm	50 psi (345 kN/m ²)
	200 mm (8")	200 mm	233 mm	50 psi (345 kN/m ²)
	250 mm (10")	248 mm	291 mm	50 psi (345 kN/m ²)
AASHTO M252 NCh 2465 ASTM F2306 ASTM F2648	300 mm (12")	308 mm	367 mm	50 psi (345 kN/m ²)
	375 mm (15")	380 mm	448 mm	42 psi (290 kN/m ²)
	450 mm (18")	461 mm	539 mm	40 psi (275 kN/m ²)
	600 mm (24")	610 mm	705 mm	34 psi (235 kN/m ²)
	800 mm (32")	800 mm	910 mm	26 psi (180 kN/m ²)
	1000 mm (40")	1000 mm	1140 mm	21 psi (145 kN/m ²)

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EFFICIENCY IN NON-PRESSURIZED LIQUID TRANSPORT

ASTM D2321		ASTM D2487		MATERIAL DEL ENCAMADO				E. psi (kPa) para el grado de compac. Del Encamado		
DESCRIPTION	NOTATION	DESCRIPTION	NOTACIÓN	AASTHO M43 NOTACIÓN	DENS. MIN. ESTÁNDAR PROCTOR %	PROFUNDIDAD	CARGADO	MÍNIMO <85%	MODERADO 85%-95%	MÁXIMO >95%
IA	CLEAN, OPEN-GRADED AGGREGATES	N/A	Crushed stone or crushed gravel, clean, with no fines.	5 56	DESCARGADO	18" (0.45m)	1000 -6.900	3000 -20.700	3000 -20.700	3000 -20.700
IB	DENSE-GRADED AGGREGATES	N/A	Processed aggregates manufactured from crushed stone or gravel, including a mixture of stone and sand.	GW GP SW SP	85% Ó 67	12" (0.30m)	N/R	1000 -6.900	2000 -13.800	3000 -20.700
II	CLEAN GRANULAR SOILS	GW	Pre-selected gravel, gravel/sand mixtures with little or no fines							
		GP	Poorly graded, pre-selected gravel, gravel/sand mixtures with little or no fines							
		SW	Pre-selected sand, sand-gravel mixtures with little or no fines							
		SP	With little or no fines							
III	FINE SOILS	GW	Silty sands, gravel-sand-silt mixtures, with up to 10% fines.	GRAVEL AND SAND WITH FINES 10%	90%	9" (0.20m)	N/R	N/R	1000 -6.900	2000 -13.800
		GC								
		SM	Silty sand and sand-silt mixtures							
		SC								
IV	INORGANIC FINE SOILS	ML	Inorganic silts and very fine sands, rock flour, fine silty or clayey sands, and silts with some plasticity				N/R	N/R	N/R	1000 -6.900
		CL	Inorganic clays with low to medium plasticity, silty or sandy clays							
IVB	INORGANIC FINE SOILS	MH	Inorganic silts and sands, fine sand soils, elastic soils				N/R	N/R	N/R	N/R
		CH	Inorganic clays of high plasticity							
V	ORGANIC SOILS OR HIGHLY ORGANIC SOILS	OL	Organic silts and organic silty clays of low plasticity				N/R	N/R	N/R	N/R
		OH	Organic clays of medium to high plasticity, organic silts							
		PT	Other highly organic soils							

