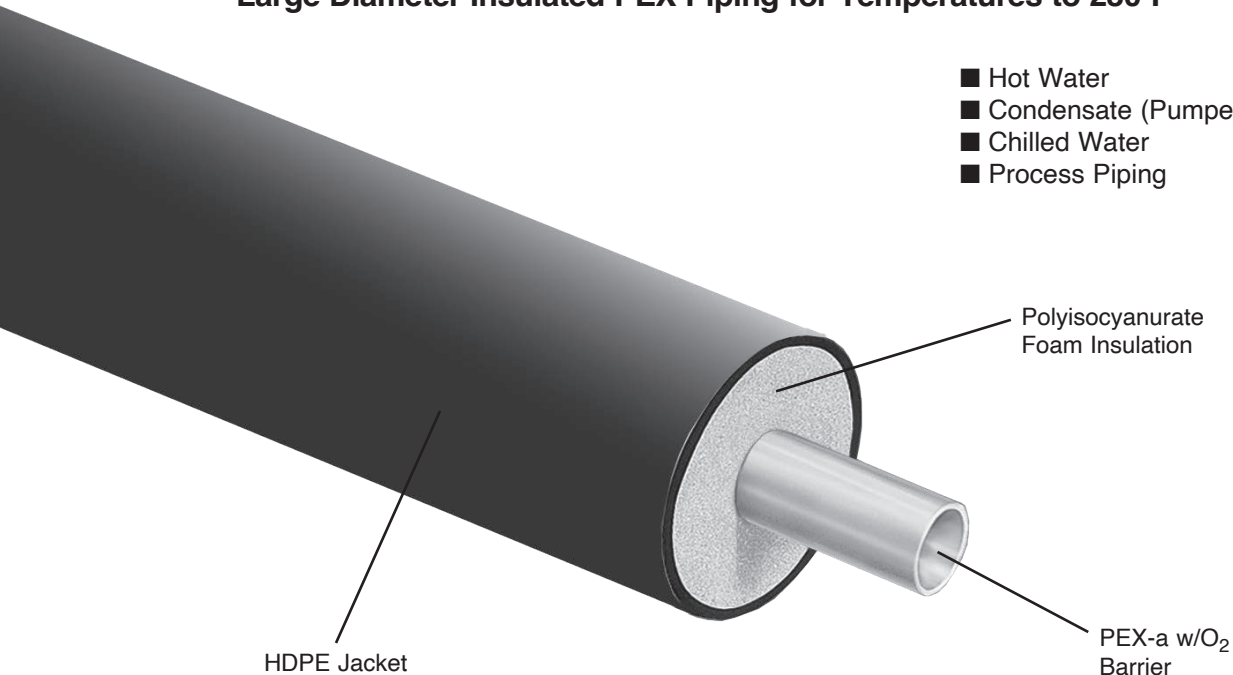


Rovanco PEX-a Pexgol Pipe x HDPE Jacketed System

Large Diameter Insulated PEX Piping for Temperatures to 230°F*

- Hot Water
- Condensate (Pumped & Vented)
- Chilled Water
- Process Piping

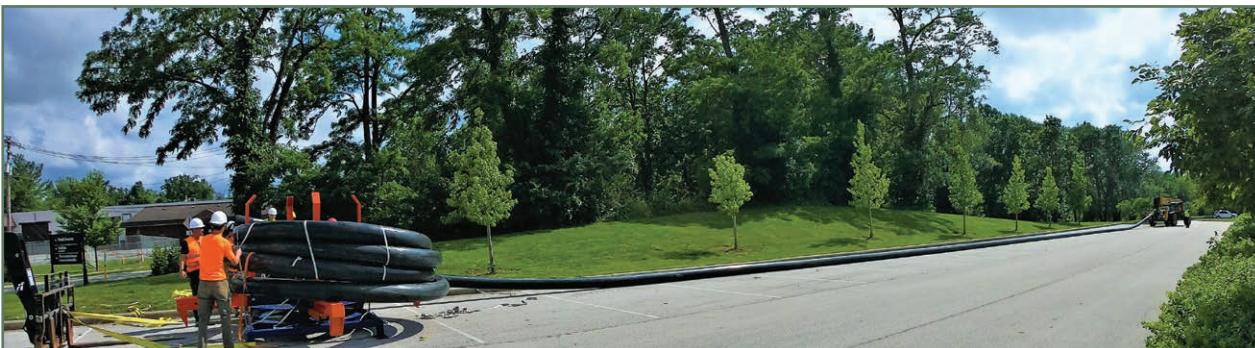


Rovanco's High Density Polyethylene (HDPE) Jacketed System is designed for piping systems below ground and is suitable for inside or outside applications. The application range includes process fluids, hot water, pumped condensate, chilled water as well as others.

The HDPE System comes complete with PEX carrier pipe, high quality polyisocyanurate foam insulation combined with a durable, watertight HDPE jacketing, which can be supported on indoor projects with maximum support spans.

It is supplied in 20' or 40' random lengths, means an economical, high-quality and versatile system. Fittings can be either field insulated or factory fabricated as specified.

To find out more about Rovanco's PEX-a Pexgol x HDPE Jacketed Systems you can visit our factory, phone us (815) 741-6700, fax us (815) 741-4229, visit our web site at www.rovanco.com or e-mail us at marketing@rovanco.com.



* For higher temperatures, consult factory.

This is a generic product datasheet and is not intended for submittal use.

Rovanco PEX-a Pexgol Pipe x HDPE Jacketed System

For Hot Water, Pumped Condensate, Chilled Water & Process Piping Applications

Carrier Pipe Types:

SDR 11 Pexgol PEX-a extruded, cross-linked polyethylene available in standard straight lengths from 6" - 16" diameters. Straight lengths can be pre-insulated at Rovanco. Larger sizes available upon request.

Multiple Carrier Pipe Connection

Methods Available: Electrofusion, Victaulic Coupling and GP Flanged Couplers.

Other Carrier pipe SDRs are available upon request.

Insulation:

Insulation shall be a polyisocyanurate foam injected with one shot into the annular space between carrier pipe and jacket. Insulation shall be rigid, >90% closed cell polyisocyanurate with a minimum 2.0 lbs per foot³ density, compressive strength of 30 psi @ 75°F, an initial thermal conductivity K factor no higher than 0.14 @ 75°F per ASTM C-518 and an E84 25/50 passive fire resistance rating. Maximum continuous operating temperature of polyisocyanurate foam shall not exceed 300°F.

Jacketing Material:

The outer casing shall be a high density polyethylene (HDPE) material, conforming to ASTM D3350, be Type III, Category 5, Class C and Grade P23/P34. It must have a minimum of 2% by weight of carbon black and a minimum thickness of 175 mils. No FRP overwrap or sprayed jacketing will be allowed.

Minimum Jacket Thickness shall be in accordance with Table 1 below:

Nominal Pipe Size (in inches)	Minimum Insulation Thickness (in inches)	Jacket Size (in inches)	Jacket Thickness (in mils)
6	1.51	10.00	175
8	1.72	12.43	175
10	1.48	14.06	175
12	1.38	15.87	175
14	1.74	17.83	175
16	1.70	19.80	200

Joining Material:

Straight lengths of pipe will be joined by PEX electro-fusion fittings.

Fittings:

All fittings will be supplied by the system supplier as per manufacturer's standard procedures.

Insulation of Straight Joints:

After welding and testing, all joints shall be insulated and sealed as per manufacturers' standard procedures.

Backfill:

Should be tamped compactly in place so as to assure stable surface. No rock should be used in the first foot of backfill. 24 inches, top to pipe to grade, of compacted fill shall meet H-20 Highway Loading.

Manufacturer's Assistance:

Rovanco will provide a field service person on-site to properly train the installation personnel in all phases of installation (if required).

Approved Vendors:

PEX-a Large Diameter Carrier Pipe Systems by Rovanco, Joliet, Illinois. Any alternate supplier must be ISO 9001 Certified and submit their technical data to the engineer ten days prior to bid date to be approved in writing as an equal.

cc #08122024

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PEXGOL^{NRG}
LARGE DIAMETER PEX-a CARRIER PIPE

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