

PE-XA CARRIER PIPE

FOR PRE-INSULATED ENERGY
TRANSFER PIPING SYSTEMS



PEXGOL *NRG*
LARGE DIAMETER PE-XA CARRIER PIPE

PEXGOL NRG ENERGY TRANSFER SYSTEMS,

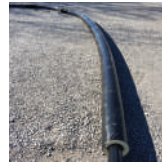
Made from the proven PE-Xa material, offer the most comprehensive pre-insulated thermoplastic piping system solution in the industry today.

Due to its high temperature and pressure ratings, **Pexgol^{NRG}** is suitable for medium and low temperature DE Systems, CHP Systems, BioEnergy, Steam Condensate Return Systems, Chilled Water and Potable Water Distribution Systems above or below ground.



Pexgol^{NRG} is based on industry-proven PEXGOL solutions, which have been successfully installed in the mining and industrial market sectors for over 25 years and have withstood the harshest of conditions.

With superior durability and longevity combined with low installation and operational costs, **Pexgol^{NRG}** is set to revolutionize the way systems are designed and operated in the Energy Transfer industry.



SUPERIOR PERFORMANCE

- Temperature range: -50°C/58°F – 110°C/230°F
- Corrosion Resistant
- Flexibility (6.5D)
- pH range 1.0 > 14.0
- UV resistant
- Thermal memory
- Freeze resistant
- Impact resistant
- Scale resistant
- Crack propagation resistant

FEATURES & BENEFITS

- Significant CAPEX & OPEX cost reduction
- Up to 28" diameter bar lengths
- Up to 14" diameter coil lengths
- Maximum coil length 4,300 feet
- Natural pipe bends
- Direct replacement for carbon steel and exotic pipe materials



INSULATION OPTIONS

Pexgol^{NRG} combines advanced pipe, fitting and connection methods with best-in-breed pre-insulating methods heat tracing and leak detection systems to provide end users with the most complete, long-term and cost-effective energy transfer piping system available.

BAR LENGTH

- Pre-insulated urethane foam insulation
- Polyethylene wrapped or HDPE extruded HDPE outer jackets

COILED LENGTHS

- Field-installed slip or slip tube urethane foam insulation sections
- Easy and quick insulation for a complete thermal and waterproof assembly

INSULATIONS KITS

- Insulation kits available for all **Pexgol^{NRG}** connection methods

PIPE OPTIONS

Pexgol^{NRG} pipes are produced from a Pe-Xa resin, which is extruded and cross-linked resulting in an unbreakable 3D (chemical) cross-connection, for:

- Higher working temperatures and pressures
- Better abrasion resistance
- Improved durability in harsh corrosive conditions
- Immunity against improper pipe laying procedures
- Low head losses resulting in considerable cost savings

Pexgol^{NRG} pipe solutions help to achieve more efficient operations and reduce maintenance downtime, which in turn contributes to cost savings.

Pexgol^{NRG} pipes also offer high value, and reduce OPEX and CAPEX for asset owner facilities.



COMPLEMENTARY SOLUTIONS

The following PEXGOL complementary systems are available for end users:

- Natural bends in PEXGOL pipe
- Pre-manufactured PEXGOL elbows
- Pre-manufactured PEXGOL elbows with flared ends & flanges
- SS branch saddles
- Castiron with PEXGOL liner



CONNECTION OPTIONS

The following PEXGOL connection solutions are available for Pexgol^{NRG} pipes and fittings:

- Flared End with ASA #150 & 300 lb. flanges
- EF 100 Electrofusion
- Pex2Pex Electrofusion
- GP Flanged Couplers
- HDPE Victaulic





About Pexgol™

Pexgol™, A division of Golan Plastic Products, is the only worldwide manufacturer that specializes in large diameter, cross-linked polyethylene pipe systems, providing them to industrial and mining sectors throughout the world.

Pexgol material results

Pexgol material results in a chemically unbreakable cross-connection between these polyethylene chains.

The result of this chemical reaction is the creation of a material which has extremely high structural integrity, combined with resistance to a wide variety of corrosives and weather conditions.



GOLAN PLASTIC PRODUCTS

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