In the late 1950s scientists worked on the structure of polyethylene to strengthen the connections between the polymer chains. They developed ways to create additional ties between the PE molecules through covalent or chemical bonding. The result was a PE structure that did not "flow" or move to a softened state as quickly when the temperature is increased.

Cross Linking Process

NO CREEP:
- Xa does not creep over time, it has a 3% - 7% "stretch" when used vertically to hold a load. It is used in hundreds of boreholes as a non-supported raiser.
- "Xa (Pexgol Brand) has been used at a potash processing plant since 1985, same pipes are still in use today."
- "Sylvinite hot crystallization process - Xa pipes (Pexgol) were installed for and cost reduction and NO JOINTS UNDERGROUND."
- Based on maintenance report between 1985 to 2017 Operating Temperatures are 237f @ 72 psi, interesting phenomena is that Pe Xa Pipe material is well known and is accepted as the leading pipe material for decades.

LESS KNOWN FACTS ABOUT PE
- UV Resistant
- Does not required sand embedding when laid in a trench.
- NO slow crack growth
- No creep
- "Xa (Pexgol Brand) has been used at a potash processing plant since 1985, same pipes are still in use today."
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PE-XA PIPE MATERIAL FOR TEMPERATURES OF 230°F & DIAMETERS UP TO 28"

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