

QUESTION TO PREPARE FOR NEXT WEEK

Assume that you are in charge of the installation of a PE natural gas pipe network.

Propose a detailed plan for the evaluation of the oxidation state of polyethylene pipe during:

- PROCESSING**
- STORAGE**
- FUSION**
- USAGE**

Be specific – comment on everything:

- instrumentation, cost, time, availability, etc.**

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A key to successful fusion of PE pipes is proper tolerances in the thickness and size of the pipes.

Discuss the important parameters that control the proper “sizing” of the pipes during extrusion.

Explain how

- process parameters**
 - material properties**
- affect size and tolerances**

Discuss the control/instrumentation issues