

INFO BRIEF NO. 2

ALLOWABLE SURFACE DAMAGE TO POLYETHYLENE PIPE

Prior to installation, an inspection should be completed of the pipe. Surface damage can occur during shipping, unloading and construction handling. Significant gouges or scratches can reduce the pressure rating of the pipe by acting as stress risers. The following guidelines may be used to assess surface damage significance.

For pressure applications, surface damage should not exceed 10% of the wall thickness and should not compromise the calculated minimum wall thickness. Deep cuts, abrasions or grooves cannot be field repaired by hot gas or extrusion welding. Excessive damage requires the removal and replacement of the damaged section.

If damage is not significant, the shape of the damage may be a consideration. Sharp notches and cuts should be dressed smooth so the notch is blunt. Blunt scrapes or gouges should not require attention. Minor surface abrasion from sliding on the ground or insertion into a casing should not be of concern.

The above recommendations are general industry standards and are addressed by the Plastics Pipe Institute (PPI) and the American Gas Association (AGA).

NOTICE:

The data contained herein is a guide to the use of PolyPipe® polyethylene pipe and fittings and is believed to be accurate and reliable. However, general data does not adequately cover specific applications, and its suitability in particular applications should be independently verified. In all cases, the user should assume that additional safety measures may be required in the safe installation or operation of the project. Due to the wide variation in service conditions, quality of installation, etc., no warranty or guarantee, expressed or implied, is given in conjunction with the use of this material.

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