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PE100 HSCR Pipe Benefits to the Trenchless Technology Industry

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ABSTRACT: The trend towards larger polyethylene pressure pipes installed by trenchless techniques puts additional demand on their resistance against brittle slow crack growth failure. PE100 HSCR features a significantly higher resistance to slow crack growth demonstrated in the notched pipe test and other creep rupture test methods compared to conventional PE100. It therefore provides an additional safety factor against brittle failure and enables “fit for purpose” designs for faster and more cost effective trenchless installation of pipeline networks with increased hydraulic capacity.