

MATERIAL CLASSIFICATION

Determination of the long term hydrostatic strength according to ISO 9080

APPROACH

Bodycote Polymer offers accredited services according to the latest version of ISO 9080 for classification of pipe materials, based on the long-term hydrostatic strength at 20°C and 50 years.

A complete ISO 9080-evaluation includes hydrostatic pressure testing for generation of test data followed by regression analysis for determination of the long term hydrostatic strength and finally MRS-classification.

PRINCIPLE

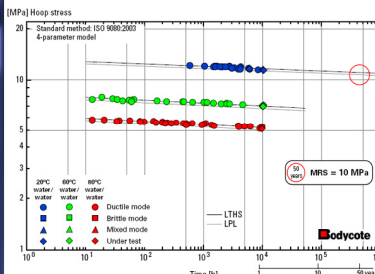
- Generation of test data – ISO 1167
- Regression analysis to fit the test data – ISO 9080
- Classification of your pipe material – ISO 12162

EXPERIENCE

Bodycote Polymer have performed more than 300 different evaluations according to ISO 9080 including materials such as

- PE
- PP
- PB
- PEX
- PE-RT
- PVC
- PSU
- PA
- Multilayer pipes

For cold water and gas pipe materials the common test temperatures are 20, 60 and 80°C and for hot water materials 20, 70, 95 and 110°C are normally used.



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