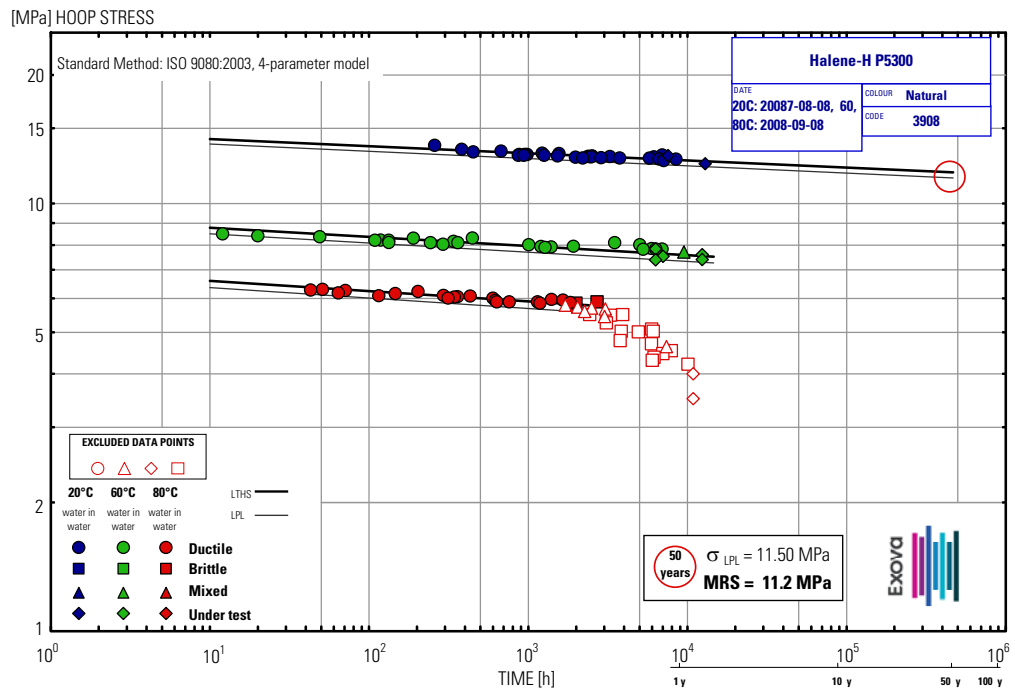


CLIENT: Haldia Petrochemicals Ltd.

## REGRESSION ANALYSIS ACCORDING TO ISO 9080 OF THE PE PIPE GRADE Halene-H P5300 Natural



### INTRODUCTION

Exova offers accredited testing and evaluation according to ISO 9080, i.e. hydrostatic pressure testing followed by evaluation of the long-term hydrostatic strength and MRS-classification according to ISO 12162.

### TASK

The aim was to evaluate the compound according to ISO 9080 in order to obtain a MRS-classification according to ISO 12162 of the PE pipe grade Halene-H P5300 Natural from Haldia Petrochemicals Ltd.

### RESULTS OBTAINED

The evaluation was performed in accordance with ISO 9080:2003. More information can be found in Exova Report P-08/140.

#### EXTRAPOLATED STRENGTH VALUES

Temp [°C]	Time [Yrs]	$\sigma_{LPL}$ [MPa]	$\sigma_{LTHS}$ [MPa]
20	50.0	11.50	11.84
20	53.3	11.49	11.83
60	1.67	7.27	7.52
80	0.28	5.56	5.78

### CLASSIFICATION

**MRS = 11.2 MPa**

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