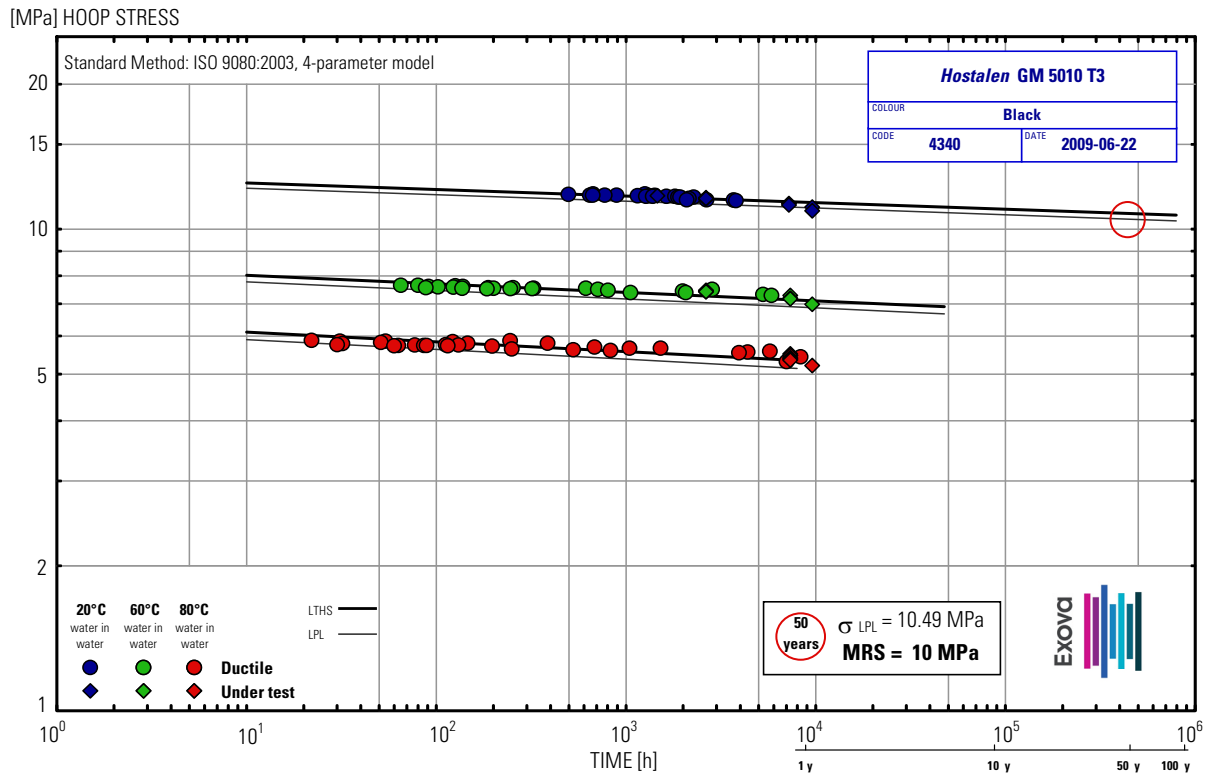


LyondellBasell Industries

## REGRESSION ANALYSIS ACCORDING TO ISO 9080 OF *HOSTALEN* GM 5010 T3 BLACK



### 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 *Hostalen* GM 5010 T3 Black from LyondellBasell Industries.

### RESULTS OBTAINED

The evaluation was performed in accordance with ISO 9080:2003. More information can be found in Exova Report P-09/67.

#### EXTRAPOLATED STRENGTH VALUES

Temp [°C]	Time [Yrs]	$\sigma_{LPL}$ [MPa]	$\sigma_{LTHS}$ [MPa]
20	50.0	10.49	10.78
20	90.7	10.40	10.70
60	5.44	6.67	6.91
80	0,91	5.14	5.34

### CLASSIFICATION

**MRS = 10 MPa**

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