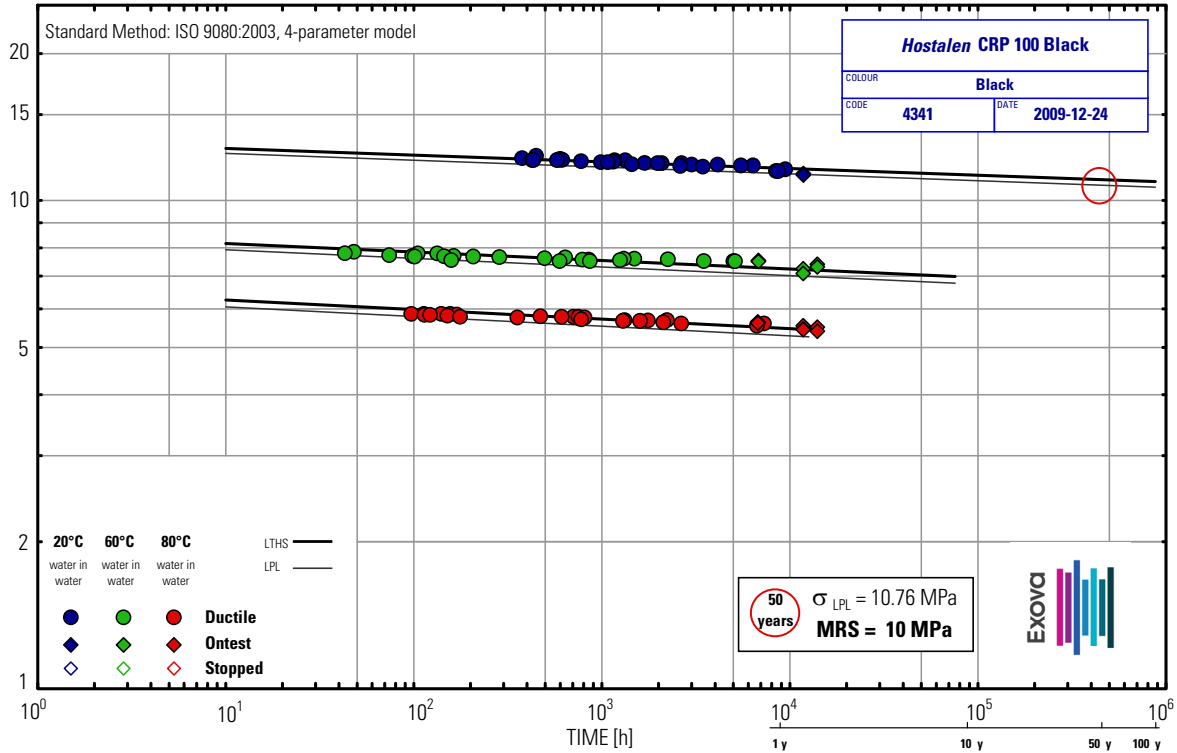


LyondellBasell Industries

## REGRESSION ANALYSIS ACCORDING TO ISO 9080 OF *HOSTALEN* CRP 100 BLACK

[MPa] HOOP STRESS



### 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* CRP 100 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-10/27.

#### EXTRAPOLATED STRENGTH VALUES

Temp [°C]	Time [Yrs]	$\sigma_{LPL}$ [MPa]	$\sigma_{LTHS}$ [MPa]
20	50.0	10.76	11.04
20	100	10.65	10.94
60	8.63	6.77	6.99
80	1.44	5.26	5.44

### CLASSIFICATION

MRS = 10 MPa

Exova Nyköping Polymer  
T +46 155 20 64 76  
F +46 155 26 31 25  
E jarno.hassinen@exova.com  
W www.polymer.exova.com

Exova Marketing centre  
T +44 161 787 3291  
F +44 161 787 3251  
E info@exova.com  
W www.exova.com

