



materials engineering research
laboratory

TEST CERTIFICATE

This document certifies that elastomer compound

7182B

from Seals Eastern, Inc.

meets the requirements of the Norsok M-710 Standard [Rev. 2, October 2001] with respect to rapid gas decompression (RGD) resistance at 150 barg and 100 °C.

MERL verify that O-ring seals manufactured by Seals Eastern in compound 7182B have been subjected to a multi-cycle RGD test under the following conditions.

O-ring size: 325
Test gas: 90/10 mol% CH₄/ CO₂
Test temperature: 100 °C
Test pressure: 150 barg
De-pressurization rate: 20 barg/minute
Test date: 6th-20th August 2010
Passed by: Rhian Lewis

O-RING	MEAN CSD (MM)	SQUEEZE (%) ¹	GROOVE FILL (%)	NORSOK RATING	PASS/FAIL
1	5.28	13.7	65	0000	PASS
2	5.30	11.1	63	0000	PASS
3	5.26	11.5	66	0000	PASS

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