

Fire Test Report
API Standard 6FB, Third Edition

Performed for

Flexitallic Limited

www.flexitallic.eu



**6 inch Class 300 Flange Rescue Gasket
Thermiculite Facing**

Project Number: 210121
August 13, 2010



Performed by

YARMOUTH RESEARCH AND TECHNOLOGY, LLC

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Yarmouth Research and Technology, LLC

API 6FB FIRE TEST REPORT

Customer: Flexitallic Limited **Date:** 8/13/2010

Product Code: 6 inch Class 300 Flange Rescue Gasket
 Fire Safe with Thermiculite 845 Facing

Project Number: PN210121

Specification: API 6FB, Third Edition, Nov. 1998
 Non-Bending, On-shore or Open-offshore Test

Seal Area OD: 8.40 **Seal Area ID:** 7.00 inches

Mean Seal Diameter: 7.70 inches ID of fire seal

Mean Circumference: 24.2 inches

Allowable Leakage: 24.2 ml/min

Nominal Test Pressure: 555 psig

YRT Technician: Matthew J. Wasielewski, P.E.

Version of YRT's FIRE-Control 6FB Software: A

Equipment Confirmed to be in Calibration to NIST Standards: Yes

Burn and Cool Down Test

Burn Start Time:	11:54:00	
Burn / Cooldown Duration:	60	minutes
Average Pressure During Burn/Cooldown:	551	psig
Leak Rate During Burn/Cool Down:	11.1	ml/min
Allowable External Leak Rate:	24.2	ml/min
Amount of Time of Avg. Cal. Block > 1200 deg.:	18.5	minutes
Were Test Conditions Within Compliance?	Yes	
Was the Leakage Below the Allowable?	Yes	

Depressurization - Repressurization Test

Average Pressure During Test:	547	psig
Gasket Leak Rate:	17.6	ml/min
Allowable External Leak Rate:	24.2	ml/min
Was the Leakage Below the Allowable?	Yes	

Does the Gasket Pass or Fail API 6FB?	PASS
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Witnesses

Matthew J. Wasielewski

Note:

