

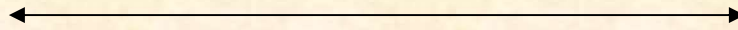
# **Fire Test Report**

**API Standard 6FB, Fourth Edition, 2019**

*Performed for*

**Durlon**

**[www.durlon.com](http://www.durlon.com)**



**6 inch Class 300 FG (CFG)  
Corrugated Flange Gasket  
Product Code: CFG2332060**

Project Number: 223189

Test Date: July 13, 2023



*Performed by*

**YARMOUTH RESEARCH AND TECHNOLOGY, LLC**

434 Walnut Hill Road  
North Yarmouth, ME 04097 USA  
(207) 829-5359

**[info@yarmouthresearch.com](mailto:info@yarmouthresearch.com)**

**[www.yarmouthresearch.com](http://www.yarmouthresearch.com)**

# Yarmouth Research and Technology, LLC

## API 6FB FIRE TEST REPORT

Customer: Durlon

Project Number: 223189

Date: 7/13/2023

Product Description: 6 inch 300 FG (CFG) Corrugated Flange Gasket

Product Code: CFG2332060

Specification: API 6FB, Fourth Edition, 2019

Non-Bending, Type 1 Test

Gasket Thickness: 0.112 inches

Seal Area OD: 8.50 Seal Area ID: 6.63 inches

Mean Seal Diameter: 7.56 inches

Mean Circumference: 23.758 inches

Allowable Leakage: 23.8 ml/min

Nominal Test Pressure: 555 psig

Nut Torque: 200 ft-lb

YRT Technician: Dean Frank

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

Equipment Confirmed to be in Calibration to NIST Standards: Yes

### Burn and Cool Down Test

Burn Start Time:	13:35:00	
Burn / Cooldown Duration:	60	minutes
Average Pressure During Burn/Cooldown:	562	psig
Leak Rate During Burn/Cool Down:	0	ml/min
Allowable External Leak Rate:	23.8	ml/min
Amount of Time of Avg. Cal. Block > 1200 deg.:	19.8	minutes
Were Test Conditions Within Compliance?	Yes	
Was the Leakage Below the Allowable?	Yes	

### Depressurization - Repressurization Test

Average Pressure During Test:	551	psig
Gasket Leak Rate:	0	ml/min
Allowable External Leak Rate:	23.8	ml/min
Was the Leakage Below the Allowable?	Yes	
Does the Gasket Pass or Fail API 6FB?	PASS	

Certified By:



Matthew J. Wasielewski, PE

President and Manager

Yarmouth Research and Technology, LLC

