

# **Fire Test Report**

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

*Performed for*

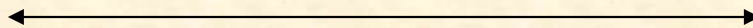
**Durlon**

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



**6 inch Class 300 FG Spiral Wound Gasket  
Product Code: 8610600BBCC**

**Project Number: 219501  
Test Date: December 6, 2019**



*Performed by*

**YARMOUTH RESEARCH AND TECHNOLOGY, LLC**

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# Yarmouth Research and Technology, LLC

## API 6FB FIRE TEST REPORT

<b>Customer:</b>	Durlon	<b>Date:</b>	12/6/2019
<b>Project Number:</b>	219501		
<b>Product Description:</b>	6" 300 FG Spiral Wound Gasket		
<b>Product Code:</b>	8610600BCC		
<b>Specification:</b>	API 6FB, Fourth Edition, 2019 Non-Bending, Type 1 Test		
<b>Gasket Thickness:</b>	0.182	inches	
<b>Seal Area OD:</b>	8.25	<b>Seal Area ID:</b>	7.13 inches
<b>Mean Seal Diameter:</b>	7.69	inches	
<b>Mean Circumference:</b>	24.2	inches	
<b>Allowable Leakage:</b>	24.2	ml/min	
<b>Nominal Test Pressure:</b>	555	psig	
<b>YRT Technician:</b>	Dean Frank		
<b>Version of YRT's FIRE-Control 6FB Software: B</b>			
<b>Equipment Confirmed to be in Calibration to NIST Standards: Yes</b>			

### *Burn and Cool Down Test*

Burn Start Time:	8:46:00	
Burn / Cooldown Duration:	60	minutes
Average Pressure During Burn/Cooldown:	576	psig
Leak Rate During Burn/Cool Down:	1.0	ml/min
Allowable External Leak Rate:	24.2	ml/min
Amount of Time of Avg. Cal. Block > 1200 deg.:	16.0	minutes
Were Test Conditions Within Compliance?	Yes	
Was the Leakage Below the Allowable?	Yes	

### *Depressurization - Repressurization Test*

Average Pressure During Test:	567	psig
Gasket Leak Rate:	0	ml/min
Allowable External Leak Rate:	24.2	ml/min
Was the Leakage Below the Allowable?	Yes	
<b>Does the Gasket Pass or Fail API 6FB?</b>	<b>PASS</b>	

Certified By:



Matthew J. Wasielewski, PE  
President and Manager  
Yarmouth Research and Technology, LLC

