Akron Rubber Development Laboratory, Inc.



TEST CERTIFICATE

This document certifies Chemraz® 562 FFKM

From

Greene, Tweed & Co.

PASSED

the technical requirements for Fluid Aging

In accordance with Annex A, ISO 23936-2, 2011 Edition and NORSOK M-710, Rev.3

Test Gas Classification	A.5 (A.1.ii and A.3.ii)		
	Multi-Phase High H₂S Sour Gas Aromatic Fluid Mix		
Test Temperature	195°C, 210°C, and 225°C		
Initial Charge Pressure	6.0 +/- 0.5 MPa (870 +/- 72 psi)		
Test Specimen	Type 2 ISO 37 test specimens		
Operational Service			
Temperature	180°C		
Classification			

Prepared By:

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Staff Engineer
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Approved By:

John Meser Manager ARDL Engineering



An A2LA Accredited Testing Laboratory — Certificate Numbers 255.01 & 255.02 ISO 9001:2008 Registered

ISO 9001:2008

Registered

ARDL verifies that Chemraz® 562 FFKM Type 2 ISO 37 test specimens, supplied by Greene, Tweed & Co., have been subjected to ISO 23936-2 Annex A and NORSOK M-710 Rev 3 test specifications with no failures during the 42 day aging test.

Property	Measured	Allowable Change	Source	Comment
% Change Volume min/max	Min Increase +5.1% Max Increase +9.0% No Decrease	-5/+25%	ISO, NORSOK	Within specification
Hardness min/max	Min Decrease -3.6 Points Max Decrease -6.8 Points No Increase	+5/-20 Points	ISO, NORSOK	Within specification
% Change, Modulus at 50% Elongation min/max	Max Decrease -24.8% Max Increase +10.3%	±50%	ISO, NORSOK	Within specification
% Change, Modulus at 100% Elongation min/max	Max Decrease -38.0% Max Increase +7.4%	±50%	ISO, NORSOK	Within specification
% Change Peak Stress min/max	Max Decrease -27.2% Max Increase +0.1%	±50%	ISO, NORSOK	Within specification
% Change Elongation min/max	Min Increase +3.8% Max Increase +30.5% No Decrease	±50%	ISO, NORSOK	Within specification

The results indicate that the material is resistant to the simulated fluid media specific herein. The Chemraz[®] 562 FFKM Elastomer PASSED the full requirements of Annex A per ISO 23936-2 and Norsok M710 Rev 3, under the stated conditions.

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Staff Engineer

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