

TEST CERTIFICATE: APT-TC-190415-01

Standard: API 6A 21st Edition Annex F.1.13.5.2

Material: Fusion 938
Status: Oualified

Issued To: Greene, Tweed & Company

1930 Rankin Rd., Houston, TX 77073

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Qualification Statement: The Fusion 938 elastomer compound is qualified to API 6A 21st Edition according to Annex F.1.13.5.2 immersion testing for material class FF/HH 10% H2S design validation procedures meeting ISO 23936-2:2011 sour aging acceptance criteria.

Qualification Parameters		
6A Gas 35%	10% H2S / 80% CO2 / 10% CH4	
6A Hydrocarbon 60%	Kerosene (Diesel #1)	
6A Water 5%	Water	
Exposure	To the hydrocarbon phase	
Pressure	1000 ± 100 psi	
Duration	160 hours	
Temperature	392°F (200°C)	

Acceptance Criteria		
Property	Criteria	
Hardness	+5/-20 units	
Volume	+25 / -5 %	
Tensile Strength	± 50%	
Elong at Break	± 50%	
50% Modulus	± 50%	

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