



TEST CERTIFICATE: APT-TC-200102-02

Standard: API 6A 21st Edition Annex F.1.13.5.2
Material: Compound 665
Status: Qualified

Issued To: Greene, Tweed & Company
1930 Rankin Rd., Houston, TX 77073
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Qualification Statement: The elastomer compound 665 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% H ₂ S / 80% CO ₂ / 10% CH ₄
6A Hydrocarbon 60%	Kerosene (Diesel #1)
6A Water 5%	Water
Exposure	To the hydrocarbon phase
Pressure	1000 ± 100 psi
Duration	160 hours
Temperature	350°F (177°C)

Acceptance Criteria	
Property	Criteria
Hardness	+10/-20 units
Volume	+25 / -5 %
Tensile Strength	± 50%
Elong at Break	± 50%
50% Modulus	± 50%

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Accredited to: ISO/IEC 17025:2005, Field of Accreditation: Mechanical Testing