



# ARLON<sup>®</sup> 2400

## High-Temperature Thermoplastic Material

### RELIABILITY IN HARSH ENVIRONMENTS

Arlon<sup>®</sup> 2400, an extension of Greene, Tweed's Arlon product line, meets the harsh environment requirements necessary for performance in downhole applications. Arlon 2400 provides the same broad chemical resistance of other Arlon materials but with higher temperature capabilities and increased dimensional stability. Additionally, Arlon 2400 has the ability to replace metal parts in high-temperature applications due to its excellent strength-to-weight ratio.

Arlon 2400 is compatible with all well fluids and gases including:

- Reservoir fluids with high H<sub>2</sub>S
- Stimulation treatment fluids
- Completion fluids
- Xylene
- Toluene
- Amine-based inhibitors

Arlon 2400 enhances the high-temperature capability of the Seal-Connect<sup>®</sup> product line. This high-temperature capability also improves the performance of back-up rings, Vee rings, contact blocks, bearings, bushings and other custom geometries.

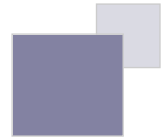
### FEATURES & BENEFITS

- Advanced high temperature mechanical properties leading to extended MTBF (mean time between failure)
- Excellent dimensional stability at high temperatures increases reliability in downhole environments
- Excellent chemical resistance in a range of aggressive chemicals for a broader operating envelope



### APPLICATIONS

- MWD/LWD
- Rotary steerables
- Wireline/completion
- Chemical injection
- Downhole safety valves
- Flow control
- Sand control
- Production monitoring
- Artificial lift



Test/Units, psi (bar)	100°F/38°C	200°F/93°C	300°F/149°C	400°F/204°C	500°F/260°C	600°F/316°C
Tensile Strength @ Break	28,000 (1930)	23,400 (1613)	16,900 (1165)	11,600 (800)	9,600 (662)	6,800 (469)
Compressive Stress @ Max. Load	38,000 (2620)	30,400 (2096)	22,600 (1558)	12,700 (876)	8,600 (593)	4,500 (310)
Shear Axial, Avg. Break Stress	16,200 (1117)	13,100 (903)	10,500 (724)	7,400 (510)	6,400 (441)	5,800 (400)
Shear Transverse, Avg. Break Stress	12,100 (834)	9,800 (676)	7,700 (531)	4,900 (338)	4,200 (290)	3,500 (241)



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*Statements and recommendations in this publication are based on our experience and knowledge of typical applications of this product and shall not constitute a guarantee of performance nor a modification or alteration of our standard warranty which shall be applicable to such products.*

