// LINER PRODUCT CARD

ULTRATUBE™

ENGINEERED THERMOPLASTIC LINER FOR HIGH SIDE LOADS // PPS BLEND

Ultratube™ is a seamless engineering thermoplastic liner manufactured from a proprietary blend of polyphenylene sulfide (PPS) resin for demanding downhole environments. Its mechanically bonded construction combines increased temperature stability, tensile strength, abrasion resistance, and chemical resistance. Designed for service up to 350°F (177°C), Ultratube™ helps protect tubing in high side-load applications, provides increased collapse resistance, and slows the permeation of acid gases such as CO2 and H2S.

MAX OPERATING TEMPERATURE	LINER MATERIAL	COLOR
350°F 177°C	PPS Blend	WHITE

01 KEY BENEFITS

- Mitigates rod-on-tubing wear under high side loads
- Provides corrosion protection
- Resists abrasion and a broad range of chemicals
- Limits CO_2 and H_2S permeation
- Helps decrease pressure drop in high-velocity flow
- Reduces servicing frequency and replacement costs
- Can reduce corrosion-inhibitor requirements
- Reduces friction and peak polished-rod load
- Extends tubing and rod run life

02 PRIMARY APPLICATIONS

Steam Flood	Beam & PC Pumped Wells	Submersible Pumped Wells	Plunger and Gas Lift Wells
Water Injection & Disposal	Acid Gas Injection	Flowlines & Solution Mining	Coalbed Methane

03 APPLICATION CONSIDERATIONS

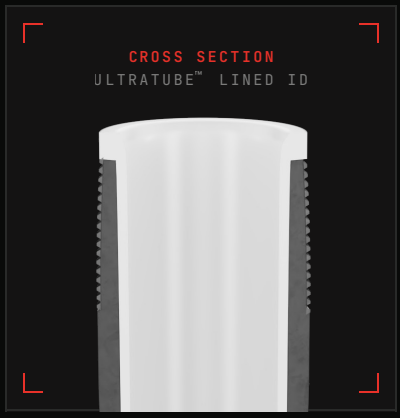
No liner suits every well, and Ultratube™ is specified against the conditions it will actually see. Pressure, temperature, fluid chemistry and gas content interact, so a change in one can reduce the allowable limit of another, which is why every application is reviewed holistically before a liner is selected.
Refer to Plastic Liners and Coatings: Considerations Before Use for complete guidance.

// TECHNICAL DATA

ULTRATUBE™ SPECIFICATIONS

04 KEY PRODUCT FEATURES

- Seamless, mechanically bonded liner made from a proprietary PPS blend
- Maximum operating temperature of 350°F (177°C)
- Coated couplings protect the J-area; liner face protects pin threads
- Make up to minimum API recommended torque
- Can be used with proprietary connections



05 COMMON TUBING SIZES

IMPERIAL / METRIC

TUBING OD	NOMINAL WEIGHT	TOTAL LINED WEIGHT	LINED DRIFT
2 3/8" 60.33 mm	4.70 lb/ft 6.99 kg/m	5.09 lb/ft 7.57 kg/m	1.60" 40.64 mm
2 7/8" 73.03 mm	6.50 lb/ft 9.67 kg/m	7.06 lb/ft 10.51 kg/m	2.00" 50.80 mm
3 1/2" 88.90 mm	9.30 lb/ft 13.84 kg/m	10.06 lb/ft 14.97 kg/m	2.50" 63.50 mm
OTHER SIZES	ON REQUEST	ON REQUEST	ON REQUEST

Total lined weights are calculated from the nominal tubing weights shown plus published liner weights. Other sizes and casing are available; confirm drift before order.

06 ADDITIONAL WF LINERS

MAX OPERATING TEMP · ADVANTAGE

POLYCORE™	MODIFIED POLYCORE™	COTUBE™	ENERTUBE™	EXTREMETUBE™
160°F 71°C OIL PRODUCTION	**160°F** 71°C OIL PRODUCTION	**165°F** 74°C OPERATING TEMPERATURE	**210°F** 99°C OPERATING TEMPERATURE	**500°F** 260°C OPERATING TEMPERATURE
180°F 82°C AQUEOUS SERVICE	**180°F** 82°C AQUEOUS SERVICE			
Corrosion and wear protection	Enhanced collapse strength	Consistent CO_2 performance	Enhanced tensile strength	Extreme corrosion service

// TALK TO A TECHNICAL PARTNER

IS ULTRATUBE™ RIGHT FOR YOUR WELL?

Contact your Western Falcon representative to review your application and operating conditions.

CALL 1-877-933-7870
WEB wfes.com