// LINER PRODUCT CARD

POLYCORE™

THE ORIGINAL POLY LINER // PROPRIETARY HDPE

Polycore™ is a proven HDPE liner engineered to protect tubing from corrosion, abrasion, and mechanical wear in demanding wells. Whether installed new or lined over existing IPC, its seamless, mechanically bonded construction creates a durable barrier along the tubing ID while accommodating minor surface imperfections that can challenge thinner coatings and bonded protection systems.

MAX TEMP · OIL PRODUCTION	MAX TEMP · AQUEOUS SERVICE	LINER MATERIAL · COLOR
160°F 71°C	180°F 82°C	HDPE Black

01 KEY BENEFITS

- Mitigates rod-on-tubing wear and mechanical damage
- Provides long-term corrosion protection
- Reduces friction and peak polished-rod load
- Helps decrease pressure drop in high-velocity flow
- Extends tubing and rod run life
- Reduces servicing frequency and replacement costs
- Can reduce corrosion-inhibitor requirements
- Supports reuse of existing or lower-grade tubing inventory
- Can be installed over existing internal coatings where applicable

02 PRIMARY APPLICATIONS

Beam Pumped Wells	PC Pumped Wells	Submersible Pumped Wells	Plunger Lift Wells
Water Injection & Disposal	Flowlines	Coalbed Methane & Dewatering	Solution Mining

03 APPLICATION CONSIDERATIONS

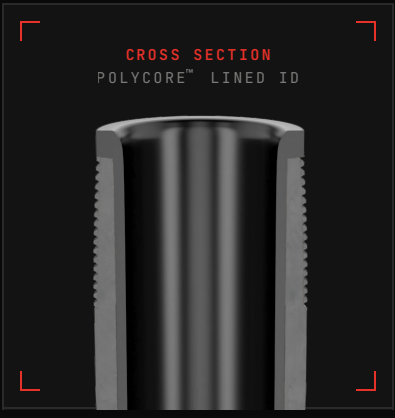
No liner suits every well, and Polycore™ is specified against the conditions it will actually see. Pressure, temperature, fluid chemistry and gas content interact, so a change in one can reduce the allowable limit of another, which is why every application is reviewed holistically before a liner is selected.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

// TECHNICAL DATA

POLYCORE™ SPECIFICATIONS

04 KEY PRODUCT FEATURES

- Seamless, mechanically bonded HDPE liner
- Maximum operating temperature is 160°F (71°C) in oil production and 180°F (82°C) in aqueous service
- Coated couplings help protect the J-area against corrosion
- Make up to minimum API recommended torque
- Suitable for both oil-production and aqueous service within defined operating limits



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	**5.00 lb/ft** 7.44 kg/m	**1.60"** 40.64 mm
2 7/8" 73.03 mm	**6.50 lb/ft** 9.67 kg/m	**6.92 lb/ft** 10.30 kg/m	**2.00"** 50.80 mm
3 1/2" 88.90 mm	**9.30 lb/ft** 13.84 kg/m	**9.89 lb/ft** 14.72 kg/m	**2.50"** 63.50 mm
4 1/2" 114.30 mm	**12.75 lb/ft** 18.97 kg/m	**13.66 lb/ft** 20.33 kg/m	**3.40"** 86.36 mm

Sizes shown are the most commonly run. Polycore™ is also supplied in smaller and larger tubing sizes and in casing, with drift confirmed against your string before order.

06 ADDITIONAL WF LINERS

MAX OPERATING TEMP · ADVANTAGE

MODIFIED POLYCORE™

160°F 71°C
OIL PRODUCTION

180°F 82°C
AQUEOUS SERVICE

Enhanced collapse strength

COTUBE™

165°F 74°C
OPERATING TEMPERATURE

Consistent CO_2 performance

ENERTUBE™

210°F 99°C
OPERATING TEMPERATURE

Enhanced tensile strength

ULTRATUBE™

350°F 177°C
OPERATING TEMPERATURE

High side load

EXTREMETUBE™

500°F 260°C
OPERATING TEMPERATURE

Extreme corrosion service

// TALK TO A TECHNICAL PARTNER

IS POLYCORE™ RIGHT FOR YOUR WELL?

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

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