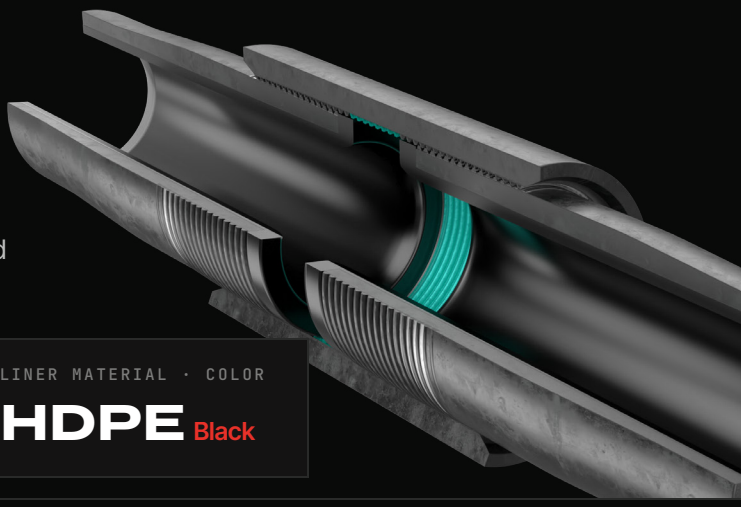
// LINER PRODUCT CARD

MODIFIED POLYCORE™

HDPE FOR ENHANCED COLLAPSE STRENGTH // PROPRIETARY HDPE

Modified Polycore™ offers our patented product with modified dimensions, higher collapse resistance, and suitability for lower-temperature production 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 corrosion protection
- Offers enhanced collapse strength
- Reduces friction and peak polished-rod load
- Helps decrease pressure drop in high-velocity flow
- Reduces servicing frequency and replacement costs
- Can reduce corrosion-inhibitor requirements
- Supports reuse of existing or lower-grade tubing inventory
- Can be applied over used internal coatings

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 Modified 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.

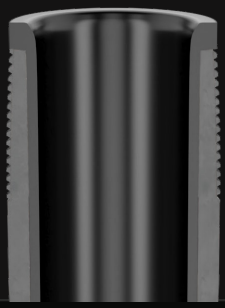
// TECHNICAL DATA

MODIFIED POLYCORE™ SPECIFICATIONS

04 KEY PRODUCT FEATURES

- Seamless, mechanically bonded HDPE liner specified to PE 3608
- Maximum temperature: 160°F (71°C) in oil production; 180°F (82°C) in aqueous service
- Coated couplings protect the J-area; liner face protects pin threads
- Make up to minimum API recommended torque
- Not recommended for high-pressure gas wells or elevated CO_2 concentrations

CROSS SECTION
MODIFIED POLYCORE™ LINED ID



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	1.516" 38.51 mm
2 7/8" 73.03 mm	6.50 lb/ft 9.67 kg/m	7.06 lb/ft 10.51 kg/m	1.901" 48.29 mm
3 1/2" 88.90 mm	9.30 lb/ft 13.84 kg/m	10.12 lb/ft 15.06 kg/m	2.347" 59.61 mm
OTHER SIZES	ON REQUEST	ON REQUEST	ON REQUEST

Nominal weights follow the Polycore™ reference card. Total lined weights are calculated using published Modified Polycore™ liner weights. Confirm tubing weight and drift before order.

06 ADDITIONAL WF LINERS

MAX OPERATING TEMP · ADVANTAGE

POLYCORE™	COTUBE™	ENERTUBE™	ULTRATUBE™	EXTREMETUBE™
160°F 71°C OIL PRODUCTION **180°F** 82°C AQUEOUS SERVICE	**165°F** 74°C OPERATING TEMPERATURE	**210°F** 99°C OPERATING TEMPERATURE	**350°F** 177°C OPERATING TEMPERATURE	**500°F** 260°C OPERATING TEMPERATURE
Corrosion and wear protection	Consistent CO_2 performance	Enhanced tensile strength	High side load	Extreme corrosion service

// TALK TO A TECHNICAL PARTNER

IS MODIFIED 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