

PRODUCT LAUNCH - 12" CORE LINER (CL1279)

Since inception, clients have been requesting large diameter CORE Liner® to meet operational and infrastructure needs. After 10 years of business across North America, **CORE Linepipe Inc. ("CORE") is excited to announce the release of 12 inch (CL1279) CORE Liner®.**

CL1279 boasts all of the product benefits of the CORE Liner® legacy product series (4" to 8") while increasing volume capacity and operational efficiency.

CORE has been delivering CORE Liner® products to industry since 2014. To date, CORE has never had an environmental release.



1. GENERAL

CORE Liner® is a factory built HDPE lined carbon steel pipeline system using ClickWeld® mechanical interference fit joints.

2. APPLICATION ENVELOPE

PRODUCT	MAXIMUM PRESSURE RATING		MAXIMUM TEMPERATURE RATING		WATER	OIL	GAS	SOUR
	psi	kPa	°F	°C				
-	-	-	-	-	-	-	-	H ₂ S
CL1071	1950	13,440	180°F Water/ 140°F Oil	82°C Water/ 60°C Oil	YES			
CL1279	1830	12,610						

Note: the product performance is dependent on actual service parameters. Consult CORE Linepipe® for a project specific evaluation.

3. DIMENSIONS

PRODUCT	STEEL OUTSIDE DIAMETER		STEEL THICKNESS		LINER INSIDE DIAMETER		LINER THICKNESS		CLICKWELD® OUTSIDE DIAMETER		PIPE WEIGHT	
	in	mm	in	mm	in	mm	in	mm	in	mm	lb/ft	kg/m
CL1071	10.750	273.0	0.280	7.1	9.37	238	0.41	10.3	13.74	349	40	59
CL1279	12.750	323.8	0.312	7.9	11.14	283	0.49	12.4	15.83	402	53	79

Pipe standard length is 62 ft (18.7 meters)

1 Factory bend 20D, field bend 38D, cold bends only.

4. HYDRAULICS

PRODUCT	MAX. FLOW RATE	
	bbbl/day	m ³ /day
-		
CL1071	96,000	15,400
CL1279	135,000	21,700
Hazen-Williams Coefficient 150		
Darcy-Weisbach Surface Roughness 0.000005 ft (0.0015 mm)		
Manning 0.009		
Maximum flow velocity 13 ft/s (4 m/s)		

5. BORES AND HORIZONTAL DIRECTIONAL DRILLING

PRODUCT	MAXIMUM RECOMMENDED TENSILE FORCE		OD OF PULL HEAD ASSEMBLY		MIN. REAMER SIZE IN COMPRESSIBLE SOIL	
	lb	kN	in	mm	in	mm
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CL1071	380,000	1,692	16.24	412	22	559
CL1279	510,000	2,271	18.33	466	26	660

6. CORE LINER® APPLICATIONS

SOLUTIONS FOR FLUID HANDLING



Water

- Produced Water
- Water Flood
- Water Supply
- Industrial Waste Water
- Potable Water
- Water for beneficial re-use
- SWD



Oil

- EOR
- Corrosive Oil
- Crude Oil
- Oil Emulsion



Industrial Pipeline Solutions

- Low Pressure Natural Gas
- Slurry
- Tailings
- Industrial Waste Streams
- Acidic Service
- CO2
- Hydrogen