TECHNICAL DATA SHEET

Berolina-LP Liner

TECHNICAL DATA

- **Short-term circumferential modulus of elasticity (ASTM D2412)**
  ≥ 1,450,000 psi
- **Short-term modulus of elasticity in flexure (ASTM D790)**
  ≥ 1,262,000 psi
- **Short-term flexural strength (ASTM D790)**
  ≥ 21,800 psi
- **Reduction factor for long-term values (ASTM D5365)**
  A = 1.45
- **Long-term circumferential modulus of elasticity (ASTM D2412)**
  ≥ 986,000 psi
- **Long-term flexural strength (ASTM D790)**
  ≥ 15,200 psi
- **Laminate Design**
  Multi-layer, seamless and overlapping in longitudinal direction; overlaps are offset
- **Linear expansion during calibration**
  ~ 0.0%
- **Allowable diameter tolerance of the host pipes**
  DIA ≤ 24 in.

RESINS

- **Unsaturated polyester resins (UP resins)**
  Type 1140 according to DIN 16946-2
  Group 3 according to DIN 18820-1
  Group 4 according to EN 13121-1

UV Liner Pressure-Rated Up To 43.5 PSI

DESCRIPTION

Berolina-LP-Liner (LP = Low Pressure) is used in wastewater pressure pipe rehabilitation. It's unique, layered, liner construction featuring very resistant glass, this liner is rocommened for low pressure pipe applications with a maximum internal operating pressure of 43.5 PSI.

AREAS OF APPLICATION

- Pressure pipes up to 43.5 PSI operating pressure
- Circular profiles: ID 6 - 24"

FEATURES & BENEFITS

- Use in low-pressure range
- Seamless design
- Ready for installations up to 1,640 ft.
- Can be stored for up to 6 months
- Fast curing
- Smooth surface
- Suitable for all standard pipe profiles
- Bridging small profile and cross-section changes

REINFORCEMENT MATERIAL

- Woven glass complex E-CR according to ASTM D578





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