

# V-BIO<sup>®</sup> Enhanced Polyethylene Film



Consists of three layers of co-extruded linear low-density polyethylene (LLDPE) film.

## “ V-Bio Enhanced Polyethylene Encasement and Corrosion Control ”

Features an inside surface made with a proprietary blend of anti-microbial additive to mitigate microbiologically influenced corrosion (MIC) and a volatile corrosion inhibitor (VCI) to control galvanic corrosion.

Meets all requirements of the American National Standards Institute and the American Water Works Association (ANSI/AWWA C105/A21.5) standard for polyethylene encasement.

### TECHNICAL DATA SHEET

| PROPERTIES                  |    | UNITS | TEST METHODS | TYPICAL VALUES           | TOLERANCES |
|-----------------------------|----|-------|--------------|--------------------------|------------|
| Material                    |    |       |              |                          |            |
| Width                       |    | in.   | BPP-23       | 20" to 121"              | +/- 0.50   |
| Length                      |    | in.   | BPP-23       | **                       | +/- 0.50   |
| Gauge (average)             |    | mil   | ASTM D 2103  | 9.00<br>(8.0Mil Minimum) | +/- 8%     |
| Color                       |    |       |              | ***                      |            |
| Print                       |    |       |              | Yes                      |            |
| Coefficient of Friction     |    |       | ASTM D 1894  | 0.20<br>(Medium to High) | +/- 0.15   |
| Tensile Strength            | MD | PSI   | ASTM D 882   | 4800                     | Min 3600   |
|                             | TD |       |              | 4900                     | Min 3600   |
| Tensile Elongation          | MD | %     | ASTM D 882   | 980                      | Min 800    |
|                             | TD |       |              | 1200                     | Min 800    |
| Dart Impact                 |    | Grams | ASTM D 1709  | 860                      | Min 600    |
| Propagation Tear Resistance | MD | (G.F) | ASTM D 1922  | 2700                     | Min 2550   |
|                             | TD |       |              | 3300                     | Min 2550   |
| Dielectric Strength         |    | V/MIL | ASTM D 149   | 1900                     | Min 800    |

**\*ESTIMATION**

Properties listed above are typical values as measured by Balcan Plastics. The determination of suitability and fitness for use is the sole responsibility of the buyer and user. Balcan Plastics and First Film Extruding make no representation or warranty of any kind, express or implied, with respect to this product, whether as to merchantability, fitness for particular purpose or otherwise.

# V-BIO ® Enhanced Polyethylene Film

## Size Range:

| ITEM NUMBER | DI PIPE SIZE | DESCRIPTION                  |
|-------------|--------------|------------------------------|
| 47-FFVBIO20 | 4-8"         | 20" X 500' V-BIO 9 MIL WHITE |
| 47-FFVBIO27 | 10-12"       | 27" X 380' V-BIO 9 MIL WHITE |
| 47-FFVBIO34 | 16"          | 34" X 300' V-BIO 9 MIL WHITE |
| 47-FFVBIO41 | 18-20"       | 41" X 260' V-BIO 9 MIL WHITE |
| 47-FFVBIO54 | 24"          | 54" X 210' V-BIO 9 MIL WHITE |
| 47-FFVBIO67 | 30"          | 67" X 150' V-BIO 9 MIL WHITE |
| 47-FFVBIO81 | 36-42"       | 81" X 140' V-BIO 9 MIL WHITE |
| 47-FFVBIO95 | 48"          | 95" X 120' V-BIO 9 MIL WHITE |



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