



## HPI-SP-18

Technical Reference Number: 210P

Hendrix Station Line Post Insulators are molded from a proprietary blend of gray, track and UV resistant, high-density polyethylene. They are more durable and reliable than traditional porcelain insulators.

The HPI-SP-18 has 4-hole pattern steel plates, tapped with ½-13 unified form special threads with 3-inch bolt circle. It meets the electrical and mechanical requirements of ANSI C29.19.

- Lighter than porcelain
- Designed for use in vertical and horizontal configurations
- Resistant to impact damage, breakage and vandalism
- Molded in USA

### PRODUCT DATA

| Characteristic                         | ANSI C29.9 | ANSI C29.19 | HPI-SP-18 |
|----------------------------------------|------------|-------------|-----------|
| <b>DIMENSIONS</b>                      |            |             |           |
| Leakage distance (in.)                 | 37         | 34          | 41.7      |
| Dry-arc distance (in.)                 | N/A        | N/A         | 16.7      |
| 4 hole pattern – thread size (in.)     | ½-13       | ½-13        | ½-13      |
| Bolt Circle diameter (in.)             | 3          | 3           | 3         |
| <b>MECHANICAL VALUES</b>               |            |             |           |
| Cantilever load (lbs.)                 | 2,000      | 2,000       | >2,000    |
| Tensile strength (lbs.)                | 12,000     | 10,000      | >12,000   |
| Compressive strength (lbs.)            | 15,000     | 10,000      | >15,000   |
| Torsional strength (in-lbs.)           | 10,000     | 6,000       | >10,000   |
| Deflection @ 50% RCL (in.)             |            |             | 0.45      |
| <b>ELECTRICAL VALUES</b>               |            |             |           |
| Typical application (kV)               | 35         | 35          | 35        |
| Flashover, 60 Hz Dry (kV)              | N/A        | N/A         | 186       |
| Withstand 10 sec hold, 60 Hz Wet (kV)  | 80         | 80          | 80        |
| Critical Impulse Flashover – Pos. (kV) | 225        | 225         | 339       |
| Impulse Withstand – Positive (kV)      | 200        | 200         | 317       |
| Impulse Flashover – Negative (kV)      | N/A        | N/A         | N/A       |
| Max RIV tested at 30kV (µV)            | 100        | 100         | <100      |
| <b>OTHER</b>                           |            |             |           |
| Part Weight (lbs.)                     | -          | -           | 13.5      |

