

# ADVANCE PRODUCTS & SYSTEMS, INC.

## Specifications and Certificate of Compliance for the: APS MODEL PE POLYETHYLENE CASING INSULATOR

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The Advance Model PE Polyethylene Casing Insulator is manufactured from injection molded, polyethylene which provides high impact strength and a low coefficient of friction. These insulators have excellent dielectric resistance and low moisture absorption yielding minimal electric current loss and no impairment of cathodic protection.

The APS polyethylene casing insulator is designed for use in most carrier pipes within casings. They are equal to and/or better in design and performance than most other brands of polyethylene insulators.

The recommended spacing for our polyethylene insulators is one spaced every six to eight feet apart.

3/4" through 12" NPS are constructed by two halves, while 14" and above are multi-segmented.

Riser extensions can be added to our polyethylene casing insulators. This is done by a fusion process in which we add HDPE material to each runner, giving the insulator a longer, one-piece runner. Cadmium-plated nuts and bolts are provided with spacers.

**Advance Products & Systems, Inc. certifies that the Model PE polyethylene casing insulators are of the highest quality and meet or exceed industry standards.**

### Physical Properties

Dielectric Strength (ASTM D-149)	400-500 Volts/mil
Flexural Strength (ASTM D-790)	1000 psi
Compressive Strength (ASTM D-693)	3200 psi
Tensile Strength (ASTM D-638, D-651)	3100 - 3500 psi
Water Absorption (ASTM D-570)	<0.01%
Impact Strength (ASTM D-256)	2.0 ft. lb/in. of notch
Maximum Operating Temperature	225°F, (107°C)