

ESP™ Insulators

Not all polymer is created equal

Hubbell Power Systems, Inc. has the testing, experience, and field performance to demonstrate that our proprietary polymer materials are proven to be able to perform in the harshest environments. Hubbell® ESP (Enhanced Silicone Polymer) is a proprietary material blend of EPDM and a silicone base used for distribution insulators.



Tracking Resistance

Tracking performance is superior in extreme conditions compared to silicone polymers



UV Resistance

Superior protection against UV that comes from direct sunlight, corona activity, or arcing due to surface contamination



Corona Resistance

High levels of resistance to degradation from corona activity



Extended Life

During loss of hydrophobicity, ESP is superior to silicone in withstanding the effects of electrical activity



Tear Strength

ESP rubber is formulated tough with high mechanical strength, due to its backbone, fillers and additives



Bird Resistance

More resistant to bird and rodent-related damage due to high mechanical strength

8X Longer lasting than ASTM requirements for UV resistance testing

20X More resistant to electrical corona activity on the surface than other silicone polymers tested

3X The tear strength than silicone polymer