



**K-LINE INSULATORS LIMITED**  
TORONTO, ONTARIO, CANADA

# Catalogue T-LP

## **Transmission Silicone Insulators** *Line Post* *69 kV to 161 kV*



# Transmission Silicone Insulators Line Post

Today transmission lines are required to be more aesthetically pleasing and are routed through narrow right-of-ways or along roadways. Also, at the lower transmission voltages (e.g., 115 kV and 69 kV) these lines are routed through urban areas and along roadways similar to distribution circuits to supply substations and larger customers. In some situations these lines share the same route and poles with distribution circuits. With K-Line silicone line post transmission insulators an aesthetic compact line design can be easily achieved with a substantial savings in the life cycle cost.

K-Line silicone polymer transmission line post insulators are manufactured and tested to world-class polymer insulator standards, CSA and ANSI. K-Lines' Quality System is registered to ISO 9001 Quality Systems.

## PERFORMANCE BENEFITS

The performance benefits of K-Line Insulators transmission line post insulators are listed below.

- Improved Reliability (interruptions and outages due to vandalism, pole fires, and flashovers in all types of environments are a thing of the past)
- Eliminate or Reduce Maintenance (such as washing and less trouble calls) and is compatible with existing plant
- Improves Power Quality (lower RI and TVI)
- Energy Efficiency (reduced losses due to lower leakage currents)
- Safety (light weight for handling and installation)
- Service Life (consistent performance over its service life)
- Life Cycle Cost (savings over porcelain insulators)

## APPLICATION

Transmission line post insulators are used on overhead transmission lines operating at and above 66 kV. These insulators are commonly installed either vertically or horizontally on metal or wooden structures to support the conductor. Also, these insulators are used to support high voltage conductor jumpers or leads.

## ROD

The core rod of the transmission line post insulator is made of a high quality fiberglass that has been specially formulated for electrical and mechanical applications.

## HOUSING AND SHEDS

The housing and sheds of the insulator are one piece, injected molded silicone rubber that is chemically bonded to the core rod. This ensures that the interface between the rubber and rod is impenetrable against moisture ingress.