



**KC71 EPR HV**  
INSULATION TAPE

**TRANSEAL®**

## Insulation Enhancement Systems

**Product Description:** TRANSEAL KC71 EPR High Voltage Insulation Tape is a highly conformable, self-fusing ethylene propylene rubber (EPR), high insulating tape. KC71 is used for main insulation applications of cable and other electrical devices up to 69KV.

### Tape Features:

- ◆ Self Amalgamating – Self Fusing Ethylene Propylene Rubber ( EPR ) Tape.
- ◆ Insulating Rubber Tape Type III as per ASTM D4388.
- ◆ To splice and terminate cable, when the emergency overload temperatures are raising to 130°C.
- ◆ Physical and electrical properties are unaffected by the degree of stretch.
- ◆ Excellent electrical properties along with Corona and Ozone resistance.
- ◆ Special polyester liners which will not stick to the tape upon unwind.
- ◆ Easy Operation and installation.

Compatible with all solid dielectric cable insulation:

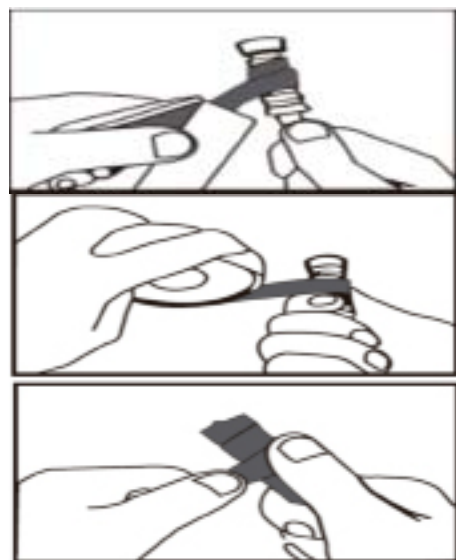
- ◆ Polyethylene (high and low density)
- ◆ Cross-linked polyethylene (XLPE).

### Applications:

- ◆ Electrical insulation jacketing in splices of solid dielectric cable up to 69kV.
- ◆ Building stress cones in terminations of solid dielectric cable up to 35kV.
- ◆ Jacketing of indoor terminations.
- ◆ Moisture sealing electrical connections.
- ◆ Bus bar insulations and corrosion protection.
- ◆ End sealing high-voltage cables.
- ◆ Jacket repair and restoration in all types of cable.



TECHNICAL DATA			
S.No	Test Item	Result	Test Method
1	Color	Black	Visual
2	Thickness	0.76mm	ASTM D4325
3	Tensile Strength	3.83MPa	ASTM D4325
4	Elongation at Break	850%	ASTM D4325
5	Dielectric Strength	35.16 KV/mm	ASTM D1000
6	Volume Resistivity	$3.5 \times 10^{15} \Omega\text{-cm min.}$	ASTM D4325
7	Fusion	Pass	ASTM D4388
8	Heat Ageing (130°C 168 H)	Pass	ASTM D4325
9	UV Ageing	Pass	ASTM D4325
10	Xenon Ageing	Pass	ISO 4896-2



**Installation:** TRANSEAL KC71 EPR High Voltage Insulation Tape should be applied in successive half-lapped, level Wound layers until desired build-up is reached.

Step1 : Perform normal cable preparation, and remove separator from tape.

Step2 : Apply tape half-lapped, stretching the tape 100% throughout splice all along , which is enough to reduce its width to around 2/3 of its original width.

Step3 : Finish breaking the tape by holding it with your thumb and stick the end well.

**Rithvik Elektrik Pvt Ltd**

**www.rithvikelektrik.com**

Works:# Plot No-10A, Type III, APIIC,Prashanthinagar, IE,Kukatpally, Hyderabad- 500072. 040-48532953/9908266613,Email: info@rithvikelektrik.com