Chapter 3
Insulator Manufacturing Process

3.2 Composite Insulator Manufacturing Process

By Orient Power
Composite Insulator Manufacturing Process

Composite insulator technical processing flow chart

Silicone rubber:
- Raw material mixing process
- Air exhausting
- Silicone rubber testing
- Production used silicone rubber

Fiber glass rod:
- Extrusion
- Inspection
- Cutting and abrasion
- Cleaning and drying

End fitting:
- Casting or forging
- Galvanizing
- Inspection

Vulcanization procedure:
- Assembly and pre-crimping of end fitting with reinforced fiber glass rod
- Brush coupling agent
- Drying under high temperature
- Compression moulding or injection
- Second time crimping
- Surface trimming

Inspection and Tests
- Routine test
- Sample test according to IEC61109

Packing: with cartons or wooden cases with pallets

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