

**INTRODUCTION OF "DHANSHREE'S" COMPOSITE CORE ROD
FOR HV SILICON COMPOSITE POLYMER INSULATOR**



We are M/s Dhanshree Impex, Based Nadiad, Gujarat, India, a Prominent Manufacturer and Exporters of FRP Pultrusion Solid composite material. We have **7 Pultrusion Lines** With Factory area is 14,000/- Sq foot and Production area is 6,000/- Sq foot, **Producing Round rods dia, 10, 12, 16, 18, 20, 22, 24, 25, 30mm.**

We Dhanshree Impex Produces a FRP ECR Rods are as **per Standards IEC 61109** for mainly for Silicon composite insulator, Made with Pultrusion technology, Chemicals to be use are **Borron Free Fiberglass ECR Grade Roving & Best Standard Qualities of Epoxy Resin/ Hardener** to meet **IEC61109standard.**

Dhanshree's ECR FRP rod are made of Mono die (joint Less) no Parting line, **Banding are maximum 0.7 mm / mtr in 1 Meter Span (length),** having good Brittle fracture, Electrical & mechanical Properties. Successfully tested Dye Penetrations & 96 Hrs HNO3 Test (stress corrosion test).

Kindly visit our website www.dhanshreeimpex.com for details or mail is on info@dhanshreeimpex.com If have any requirements kindly update, we are welcome you to Develop FRP ECR Rods as per your bulk order requirements.

ECR Rods Test reports:

| Sr. No | Type test | Particular of test | Requirement as per Standard | Obtain Value | Remarks |
|---------------|---|----------------------------------|---|---|------------------------|
| 1 | Water Absorption after 24 hrs Immersion in water at 25 °C, % | ASTMD 570-81 | Max 0.2 | 0.03 | Confirm |
| 2 | Arc Resistance, Sec | ASTMD 495-99 | - | Central :203 | Confirm |
| 3 | Flexural Strength, Kg/Cm ² | ASTMD 349-99 | Min. 5000 | 7889 | Confirm |
| 4 | Dielectric Strength Ac (Proof Test) In oil at 90 °C Axial , Kv / mm (across 25 mm width) Radial Kv / mm Measured thickness : 3.0 mm | ASTMD 149-09 ASTMD 149-09 | Sample shall withstand 50kv/25mm for one minute without Breakdown Sample Shall Withstand 30 kv (@ 10 kv/ mm) For one Minute without Breakdown | Sample withstood 50kv/25mm for One Minute With out Breakdown | Confirm Confirm |
| 5 | Comparative Tracking Index- Volts Nature of : Original Smooth surface | IEC 60112-2003 | Min. 600 | > 600 | Confirm |
| 6 | Splitting Resistance N | IS: 10192-1982 | Min. 4000 | 9392 | Confirm |
| 7 | Glass Content % | BS : 2782-Pt10-1977 | 80 +_ 5 % | 80% | Confirm |
| 8 | Insulation Resistance after 24 hrs immersion in water at 25 °C ohms | ASTMD 257-07 | Min. 1x10 ¹⁰ | 2x10 ¹⁰ | Confirm |
| 9 | Specific Gravity @ 27 °C | ASTMD 792-08 | 2 +_ 0.2 | 2.1 | Confirm |
| 10 | Dye Penetration test | IEC 61109- | >= Minute | 15 | Confirm |
| 11 | Stress Corrosion (HNO ₃ Test) | | Hours | 96 | Confirm |

For, Dhanshree Impex