



VIKAS ecOTECH LTD.

(Formerly Vikas GlobalOne Ltd.)

www.vikasecotech.com

Technical Data Sheet

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Vikoflex

PVC (POLYVINYL CHLORIDE) COMPOUNDS

➤ Product Description:

Vikoflex range of PVC Compounds are designed precisely as per application needs & manufactured on the latest, high end machines, matching international standards. We offer products of high consistency in the quality & performance, meeting varied needs like high fire retardance, low smoke emissions, high strength, heavy metal free & non toxic compounds for a host of applications like cable insulation, pressure pipes, hydraulics hoses, fittings, footwear & many more.

➤ Characteristics & Usages:

- Chemically Inert
- High strength to weight ratio.
- Tough and dent resistant.
- An electrical and thermal insulator.
- Water, Corrosion and Weather resistant.

➤ Physical & Chemical Properties:

| S.NO | PROPERTIES | SPECIFIC GRAVITY | HARDNESS (SHORE A) | THERMAL STABILITY @ 200°C (min) | TENSILE STRENGTH | ELONGATION AT BREAK | VOL. RESISTIVITY AT 27°C | APPLICATIONS |
|------|-------------------|------------------|--------------------|---------------------------------|------------------|---------------------|--------------------------|---|
| | UNIT | NA | Nos. | MINUTES | N/MM2(min) | % (min) | ohm-cm (min) | |
| | TEST METHOD GRADE | ASTM D792 | ASTM D2240 | IS 5831 | IS 10810 | (PART 7) | IS 3396 | |
| 1 | VF-35 | 1.36±0.02 | 86+2 | 50 | 18 | 270 | 0.2X10 ¹⁴ | Soft Insulation & Sheating |
| 2 | VF-22 | 1.32±0.02 | 88+2 | 80 | 18 | 250 | 0.8X10 ¹⁴ | GP Insulation upto 1.1 KV Fast Extrusion |
| 3 | VF-A12R | 1.36±0.02 | 90+2 | 110 | 16.5 | 250 | 5.0X10 ¹⁴ | GP Insulation High Speed Extrusion |
| 4 | VF-25 | 1.43±0.02 | 94+2 | 100 | 18 | 225 | 0.5X10 ¹⁴ | GP Sheating & Insulation |
| 5 | VF-18 | 1.30±0.02 | 86+2 | 130 | 18.5 | 250 | 0.5X10 ¹⁴ | AVSS wire harnessing Automobile cable |
| 6 | VF-20 | 1.35±0.02 | 95+2 | 110 | 22 | 200 | 2X10 ¹⁴ | Insulation above 3.3 KV Rly. Signaling, Jumper wire |
| 7 | VF-R22 | 1.40±0.02 | 96+2 | 120 | 22 | 210 | 2X10 ¹⁴ | Rly. Signaling Insulation |
| 8 | VF-09C | 1.32±0.02 | 94+2 | 130 | 20.5 | 200 | 5X10 ¹⁴ | Heat Resistant upto 105°C |

| | | | | | | | | |
|----|----------------|-----------|------|-----|------|-----|----------------------|-------------------------------|
| 9 | VF-11P | 1.36±0.02 | 95+2 | 120 | 19.5 | 170 | 5X10 ¹⁴ | Heat Resistant upto 85°C |
| 10 | VF-34 | 1.45±0.02 | 84+2 | 50 | 15 | 260 | NA | Soft sheathing. Co-axial wire |
| 11 | VF-90FR | 1.52±0.02 | 90+2 | 100 | 16 | 225 | 0.4X10 ¹⁴ | FR Sheathing & Insulation |
| 12 | VF-LS5 | 1.56±0.02 | 96+2 | 120 | 14 | 150 | NA | FR & Low smoke sheathing |
| 13 | VF-SW1 | 1.40±0.02 | 66+2 | 120 | 21 | 120 | 0.8X10 ¹⁵ | Submersible winding wire |

***Tailor made grade can be offered as per customer requirement**

➤ **Packaging:**

- Standard Packaging: 25Kgs Nett Bags
- Specific Packaging options can be arranged as per customer's requirement.

➤ **Safety & Environmental Information:**

❖ Dust associated with the handling of PVC powder as well as fumes or vapors liberated from both PVC powder and pellets at high temperatures may be irritating to the eyes, skin and respiratory tract if not adequately ventilated.

- Chronic exposure to fumes and vapours from heated or thermally decomposed plastics may cause an asthma-like syndrome due to the inhalation of process vapours or fumes.
- Fire Extinguishing Media: Carbon dioxide foam or water.

➤ **Handling & Storage Information:**

- Use the proper personal protective equipment during handling. Minimize dust generation and accumulation. Use good housekeeping practice.
- Store in a cool, dry, protected area away from heat, sparks, and flame.

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