



Vikas Global One Ltd.

www.vikasglobal.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 & fittings for hydraulics hoses, footwear etc.

➤ 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 & Sheeting
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 Sheeting & 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 Sheeting & 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 house keeping practice.
- Store in a cool, dry, protected area away from heat, sparks, and flame.

Disclaimer:

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Before handling this material, read and understand the MSDS (Material Safety Data Sheet) for additional information on personal protective equipment and for safety, health and environmental information.