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Vikas Global One Ltd.

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Material Safety 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.

➢ *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 Extrustion
3	**VF-A12R**	1.36±0.02	90+2	110	16.5	250	$5.0X10^{14}$	GP Insulation High Speed Extrustion
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 sheating. Co-axial wire
11	**VF-90FR**	1.52±0.02	90+2	100	16	225	$0.4X10^{14}$	FR Sheating & Insulation
12	**VF-LS5**	1.56±0.02	96+2	120	14	150	NA	FR & Low smoke sheating
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.**

➢ *PRODUCT USE:*

- PVC compounds are used for a host of applications like cable insulation and sheathing, pressure pipes, hydraulics hoses, fittings, footwear & many more**.**

➢ *POTENTIAL HAZARDS INFORMATION:*

FIRE HAZARD:

- MIN. IGNITION TEMPERATURE : >540℃

- EXTINGUISHING MEDIA**:** DRY CHEMICAL, FOAM, WATER OR CARBON DIOXIDE IN THE EVENT OF A FIRE, WEAR A NIOSH (US) OR CEN (EU) APPROVED, POSITIVE PRESSURE, SELF-CONTAINED BREATHING APPARATUS (SCBA) AND FULL PROTECTIVE CLOTHING. EVACUATE ALL NON-ESSENTIAL PERSONNEL FROM THE DANGER AREA.

HEALTH HAZARDS:

- EYE: VAPORS OR FUMES EMITTED DURING PROCESSES INVOLVING ELEVATED TEMPERATURES MAY CAUSE EYE IRRITATION. DUST RESULTING FROM THE HANDLING OF POWDER MAY BE IRRITATING TO THE EYES.

- SKIN CONTACT: VAPORS OR FUMES EMITTED DURING PROCESSES INVOLVING ELEVATED TEMPERATURES MAY CAUSE SKIN IRRITATION. DUST RESULTING FROM THE HANDLING OF POWDER MAY BE IRRITATING TO THE SKIN.

- SKIN ABSORPTION: THIS MATERIAL IS INITIALLY A DRY SOLID PELLET OR POWDER; NO ABSORPTION IS LIKELY TO OCCUR IN ITS INITIAL FORM. VAPORS OR FUMES EMITTED DURING PROCESSES INVOLVING ELEVATED TEMPERATURES MAY ABSORB THROUGH THE SKIN AT LOW LEVELS.

FIRST AID MEASURES:

- INHALATION: NO ADVERSE EFFECTS ANTICIPATED UNDER NORMAL CONDITIONS IF ADEQUATELY VENTILATED. HOWEVER, IF EXPOSURE OCCURS, REMOVE VICTIM TO FRESH AIR. OBTAIN MEDICAL ATTENTION IF IRRITATION PERSISTS.

- SKIN CONTACT: NO ADVERSE EFFECTS ANTICIPATED UNDER NORMAL CONDITIONS.HOWEVER, IF VAPOR OR FUME EXPOSURE OCCURS, WASH SKIN THOROUGHLY WITH SOAP AND WATER. OBTAIN MEDICAL ATTENTION IF IRRITATION PERSISTS.

- EYE CONTACT: IN THE EVENT OF EYE IRRITATION, FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES. OBTAIN MEDICAL ATTENTION IF IRRITATION PERSISTS.

- INGESTION: IF INGESTION OCCURS, VOMITING CAN BE INDUCED AFTER DILUTING WITH WATER OR MILK. CALL A PHYSICIAN FOR ADDITIONAL MEDICAL ADVICE.

➢ *HANDLING & STORAGE:*

❖ HANDLING:

- **NORMAL HANDLING:** FOLLOW STANDARD PERSONAL HYGIENE AND HOUSEKEEPING PRACTICES FOR AN INDUSTRIAL ENVIRONMENT. USE WITH ADEQUATE VENTILATION. AVOID DUST GENERATION. ACCUMULATIONS OF DUST SHOULD BE REMOVED FROM SETTLING AREAS. TAKE PRECAUTIONS AGAINST STATIC DISCHARGE

❖ STORAGE:

- STORE IN A COOL, DRY, WELL-VENTILATED AREA .STORE SILO AWAY FROM SOURCES OF HEAT, FLAME AND SPARKS.

➢ *TRANSPORTATION:* NOT REGULATED

➢ *DISPOSAL:*

- REFER TO ALL FEDERAL, STATE AND LOCAL REGULATIONS PRIOR TO DISPOSITION. IF UNABLE TO MANAGE, CONTACT A FACILITY THAT COMPLIES WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

➢ PREPARED BY: SR. CHEMIST

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