



INSULATING VARNISH MV428-K81 IS A SOLVENT VOLATILIZING TYPE INSULATING VARNISH AND EPOXY RESIN MODIFIED ALKYD RESIN IS A MAIN COMPONENT. IT IS BEING USED FOR THE VERY HIGH VOLTAGE ELECTRICAL APPLIANCES. PARTICULARLY, IT IS USED FOR COATING, HIGH-HEAT RESISTANCE IS REQUIRED.

Recommended use	1. COATING FOR MOTOR COILS, ELECTRIC GENERATOR COILS AND TRANSFORMER COILS. 2. USING FOR DIPPING COIL, REQUIRING HIGH-VOLTAGE INSULATION.
Feature	1. FAST DRYING (SOLVENT VOLATILIZING TYPE) INSULATING VARNISH. 2. GOOD ABRASION, MOTOR OIL RESISTANCE. 3. GOOD FLEXIBILITY AND DIELECTRIC STRENGTH.

Physical Properties

Finish and Color	TRANSPARENT LIGHT BROWNISH
Specific gravity	0.91 – 0.95
Solids by volume	42 – 45% (135°C × 90MINS)
Spreading rate (Theoretical)	13m ² /L, 30micron
Viscosity	H – J (G#)

Application details

Surface preparation	REMOVE THOROUGHLY OIL AND GREASE, RUST, DUST AND OTHER IMPURITIES ON THE SURFACE.
Thinning	USE 012THINNER WHEN NEEDED
Drying time	MIN. 135°C × 2 HOURS
Recoating interval	AFTER DRY HARD
THERMAL CLASS	F CLASS (155°C)

Storage and package

Storage	– STORE IN A DRY, COOL AND DARK PLACE WITH ITS CAB CLOSED COMPLETELY. – AVOID WATER AND SUNSHINE WHEN STORE IN OUTDOOR PLACE IT IS POSSIBLE TO MAINTAIN ITS QUALITY FOR 6MONTHS WITH A GOOD SHAPE, WHEN OBSERVE ABOVE ITEMS.
Packing Unit	1. VARNISH : 18L 2. THINNER (012THINNER): 18L (WHEN REQUIRED, PACKING UNIT CAN BE CHANGED)

Remarks	
Note	1. STORAGE CONDITION (DIPPING TANK) - WHEN USE, CONTROL IT WITH A LOW TEMPERATURE AS MUCH AS POSSIBLE TO AVOID SOLVENT VENTILATION AND FIRE. - WHEN STOP WORKING, COVER IT WITH A COVERAGE TO AVOID VENTILATION OF SOLVENT. - WHEN HANDLING FOR A LONG TIME, IT MAY BE CONTAMINATED BY DUST, MOISTURE AND SKINNING, ETC. CLEAN DIPPING TANK ABOUT 2 TIMES A YEAR. - SMALL SIZE DIPPING TANK IS PROFITABLE FOR ITS QUALITY CONTROL. 2. THINNING METHOD - BEST METHOD IS USING AN UNDILUTED VARNISH. BUT, WHEN ADDING THINNER FOR THE APPEARANCE, WORKABILITY AND REPLENISHING SOLVENT, USE 012THINNER. - DON'T ADD THE THINNER WITH A LARGE QUANTITY. IT MAY CAUSE PROBLEM OF THE VARNISH QUALITY. 3. QUALITY CONTROL METHOD OF VARNISH - GIVE ATTENTION TO QUALITY CONTROL OF VARNISH TO PRODUCE PRODUCTS WITH A UNIFORM QUALITY. - PREPARE AND PUT INTO OPERATION THE STANDARD QUALITIES OF THE SPOT (APPEARANCE, VISCOSITY, SPECIFIC GRAVITY. ETC) - WHEN START WORKING, REPLENISH NEW VARNISH AND USE IT ACCORDING TO METHOD OF THE STANDARD QUALITIES OF THE SPOT. ※ WHEN HANDLING, AVOID CONTACTING WITH SKIN AND EYES, WEAR A PROTECTIVE SUIT, CHEMICAL GOGGLES AND PVC GLOVES. USE IT IN CONDITION OF GOOD VENTILATION AND AVOID EXCESSIVE INHALATION OF VAPOR. 4. STORAGE LIFE - 6MONTHS IN UNBROKEN PACKAGE AND THE PLACE WHERE THE STORAGE TEMP. IS BETWEEN 5 – 30℃. (IT SHOULD BE STORED IN A COOL AND DARK PLACE)
1'st issue	
Revision	

Disclaimer : The information in this data sheet is believed to the best of our knowledge based on laboratory test and practical experience. However, there are many factors affecting the performance of product and the product quality itself, so we are not able to guarantee without the confirmation of the purpose of using the product from us in writing. We reserve the right to change the data without notice and you should check that this data sheet is current prior to using the product.

