"Our strength is in our formulations"

TECHNICAL BULLETIN: **XS6 1442**

DESCRIPTION: A SINGLE COMPONENT, 100% SOLIDS DIPPING COMPOUND FOR COILS AND TRANSFORMERS. THE PRODUCT WAS DEVELOPED FOR THE PROTECTION OF ELECTRICAL EQUIPMENT LOCATED IN HAZARDOUS ENVIRONMENTS.

SALES SPECIFICATION:	**XS6 1442**
COLOUR:	BLACK
VISCOSITY (cps) (NOTE 1):	6000
SPECIFIC GRAVITY (gm/cm^3):	1.25 ±0.03
SHELF LIFE:	6 MONTHS

HANDLING: (NOTES 1,2 & 5)

GEL TIME (0.5 GMS):	20 – 30 minute @ 125^0C
NORMAL BUILD THICKNESS:	5 mils

CURE SCHEDULE: (NOTE 3)

4 HOURS @ 125°C + 2 HOURS @ 150^0C

CURED PROPERTIES: (NOT INTENDED FOR PREPARATION OF SPECIFICATIONS)

COLOUR:		BLACK
SPECIFIC GRAVITY (gm/cm^3):		1.25 ±0.03
SHORE HARDNESS:		82D
LINEAR SHRINKAGE (in/in):	ASTM D 2566	0.002
TENSILE STRENGTH (psi)	ASTM D 638	5,000
ELONGATION (%):	ASTM D 638	4.5
FLEXULAR STRENGTH (psi):		9,200
GUIDE TO OPERATING TEMPERATURE:	(NOTE 7)	220^0C

Continued….

ELECTRICAL CHARACTERISTICS: (NOTE 6)

DIELECTRIC STRENGTH (v/mil):		475
ARC RESISTANCE:		180 seconds
DIELECTRIC CONSTANT:	@ 10^6 Hz	3.0
DISSIPATION FACTOR:	@ 10^6 Hz	0.01

NOTES:

1) If a filled resin, settling may occur during transportation or storage. Fillers must be remixed before use.

2) The mix ratio must be within ± 2% of the stated value and thorough mixing is required to avoid degraded properties.

3) Other cure schedules may yield satisfactory results however; these should be determined by the customer for his given application.

4) Unless otherwise specified, all measurements are taken at 22^0C.

5) These products may trigger allergic reactions in some individuals. Prevent contact with skin; wash with plenty of soap and water if contact occurs and **Read the Material Safety Data Sheet** before using the materials. **Do Not Breathe Vapours** provide good ventilation and exercise good housekeeping at the work area.

6) The values indicated under "**Electrical Characteristics"** may be based on supplier data for products with similar compositions. They are provided only as a guide and the recipient must test each material to determine its suitability for the intended application.

7) The **"Guide to Operating Temperature"** is based on our experience with materials of similar chemistry and/or thermal index. The ultimate suitability of a product for a particular operating temperature is application dependent and **may change according to the demands placed upon it in service.**

IMPORTANT

THE INFORMATION IN THIS BULLETIN IS BASED ON DATA OBTAINED BY OUR OWN RESEARCH AND IS CONSUDERED ACCURATE. ALL INFORMATION SUPPLIED BY CROSSLINK TECHNOLOGY INC., IS FURNISHED UPON THE EXPRESS CONDITION THAT THE PERSON RECEIVING THE PRODUCT SHALL MAKE THEIR OWN ASSESSMENT TO DETERMINE ITS SUITABILITY FOR THEIR PARTICULAR PURPOSE. NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING SUCH INFORMATION, OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF; THAT ANY PRODUCT SHALL BE MERCANTABLE OR FIT FOR ANY PARTICULAR PURPOSE; OR THAT THE USE OF SUCH OTHER INFORMATION OR PRODUCT WILL NOT INFRINGE ANY PATENT.

ISSUE DATE: January, 1990
ISSUE NO.: 1

7-6680 Finch Avenue West, Toronto, Ontario M9W 6C2 Canada
Phone: 800-563-3769, Fax: 416-674-7563
Web site: www.crosslinktech.com , E-mail: info@crosslinktech.com