

FED. SUP CLASS  
7510

DASH INDICATOR	RESIN CLASSES						
	1	2	3	4	5	6	7
SURFACE	EPOXY POLYAMIDE	ACRYLIC	VINYL	POLYVINYL BUTYRAL	ALKYD	ACRYLIC NITRO- CELLULOSE	EPOXY (AMINE- CURED)
ANODIZED CLAD AL ALLOY	X	X	X		X		X
CHEMICAL FILM TREATED AL ALLOY	X	X	X		X		X
COPPER			X	X			
CADMIUM PLATED STEEL		X	X			X	
GLASS	X	X	X		X		X
ACRYLIC PLASTIC SHEET		X	X			X	
PORCELAIN (GLAZED)	X	X					X
PORCELAIN (UNGLAZED)	X	X	X	X	X	X	X
PHENOLIC LAMINATE	X	X					X
EPOXY LAMINATE	X	X		X	X		X

INTERPRETATION: NOTATION "X" REPRESENTS ACCEPTABLE ADHESIVE PROPERTIES FOR EACH APPLICABLE SURFACE.

COLOR	BLACK	BROWN	RED	ORANGE	YELLOW	GREEN	BLUE	PURPLE	GRAY	WHITE
DASH INDICATOR	-0	-1	-2	-3	-4	-5	-6	-7	-8	-9

## INTENDED USE:

1. THE ABOVE CHARTS ARE INTENDED FOR USE AS A GUIDE FOR THE SELECTION OF A MARKING INK, THE BASIC COMPOSITION BEING FORMULATED WITH ONE OF THE LISTED RESINS. COLORS SHALL BE IN ACCORDANCE WITH FEDERAL STANDARD NO. 595.
2. THE RESIN TYPE MARKING INKS ARE INTENDED FOR APPLICATION EITHER ON METALLIC OR NON-METALLIC SURFACES OF ELECTRONIC EQUIPMENT.
3. INKS POSSESSING THE DESIRED PHYSICAL PROPERTIES OF ADHESION AND ABRASION WHICH ARE ALSO RESISTANT TO FUNGUS ATTACK WILL NOT REQUIRE THE ADDITIONAL OVERCOATING OF A CLEAR LACQUER OR FUNGICIDAL COATING.

## EXPLANATORY NOTES:

1. THE DEGREE OF SATISFACTORY ADHESION, ABRASION AND FUNGUS RESISTING PROPERTIES ARE DEPENDENT UPON THE PERCENT COMPOSITION OF RESIN AND VEHICLES USED IN FORMULATION AND VARIABLES IN THE PHYSICAL CHARACTERISTICS OF THE SURFACES INTENDED FOR MARKING.
2. SELECTION OF THE RESIN SHOULD BE BASED ON LABORATORY TESTING TO MEET SPECIFIC ENVIRONMENTAL TEST CONDITIONS OF THE ELECTRONIC EQUIPMENT AS REQUIRED. USERS SHALL ALSO ASCERTAIN THAT THE FORMULATED INK SHALL HAVE NO DELETERIOUS EFFECT ON THE SURFACE INTENDED FOR USE.
3. THE CHART SHALL BE INTERPRETED AS BEING NON-RESTRICTIVE IN THE SELECTION OF MARKING INKS FOR ANY SURFACE.
4. A NON-CONDUCTING TYPE INK IS REQUIRED FOR USE ON PRINTED CIRCUIT BOARDS.
5. THE PART NUMBER SHALL CONSIST OF THIS MS AND A DASH NUMBER CONTAINING TWO (2) DIGITS. THE FIRST SHALL INDICATE COLOR AND THE SECOND THE DESIRED RESIN.

EXAMPLE OF PART NUMBER: MS18038-01

MS PART NO.      BLACK MARKING INK      EPOXY POLYAMIDE RESIN

ⓑ CANCELLED AFTER 16 May 1975 NO SUPERSEDING STANDARD.

This military standard is approved by NAVAL AIR SYSTEMS COMMAND, Orlando, Florida, and is mandatory for use by all other military activities or require to be so stated when suitable.

P.A. NAVY - AS Other Cust	TITLE INKS, MARKING (FOR ELECTRONIC EQUIPMENT)	MILITARY STANDARD MS18038(AS)
PROCUREMENT SPECIFICATION NONE	SUPERSEDES MIL-STD-1312 (WEP)	DATE 1 1975

DD FORM 672-1 (11-64) (Unchanged coordination)

APPROVED 20 MAR 63 REVISED 11 APR 69 16 May 1975