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**REV.
A**

SAE AS85080/4

FEDERAL SUPPLY CLASS
5970

RATIONALE

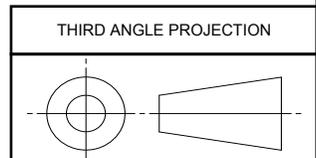
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CUSTODIAN: AE-8/AE-8D

PROCUREMENT SPECIFICATION: MIL-I-85080



AEROSPACE STANDARD

INSULATION SLEEVING, ELECTRICAL,
SHRINKABLE WITHOUT HEAT,
CHLOROSULFONATED POLYETHYLENE FLEXIBLE

SAE AS85080/4

**REV.
A**

ISSUED 2004-04 STABILIZED 2012-03

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 <small>An SAE International Group</small>	AEROSPACE STANDARD	SAE AS85080/4 SHEET 1 OF 3	REV. A
	INSULATION SLEEVING, ELECTRICAL, SHRINKABLE WITHOUT HEAT, CHLOROSULFONATED POLYETHYLENE FLEXIBLE		

REQUIREMENTS:

CONTINUOUS OPERATING TEMPERATURE RANGE: -35°C (-31°F) TO +150°C (+302°F).

MODE OF SHRINKAGE: THE HEATLESS SHRINK SLEEVING SHALL RECOVER TO A PREDETERMINED DIAMETER UPON EXPOSURE TO THE ATMOSPHERE. NO EXTERNAL SOURCES OF HEAT ARE REQUIRED.

COLOR: THE SLEEVING SHALL BE FURNISHED IN A BLACK COLOR THAT CONFORMS TO THE REQUIREMENTS OF CLASS II OF MIL-STD-104. OTHER COLORS ARE AVAILABLE.

LONGITUDINAL CHANGE: ± 10 PERCENT.

MILITARY PART NUMBER: THE MILITARY PART NUMBER SHALL CONSIST OF THE BASIC NUMBER OF THIS SPECIFICATION SHEET AND DASH NUMBERS AS SHOWN BELOW:

M85080/4 - X XX - X
 | | | | _____ COLOR CODE DESIGNATOR (SEE 1.2.2)
 | | | | _____ SIZE IDENTIFIER (TABLE I)
 | | | | _____ CLASS (WHERE NO CLASSES ARE
 | | | | SPECIFIED, THE NUMERIC "0"
 | | | | SHALL BE USED)
 | | | | _____ SPECIFICATION SHEET

EXAMPLE: BLACK, 0.672 INCH AS SUPPLIED I.D. SLEEVING SHALL BE IDENTIFIED AS M85080/4-005-0.

TABLE I. DIMENSIONS (INCHES) ^{1/}

MILITARY PART NUMBER ^{2/}	AS SUPPLIED		AFTER UNRESTRICTED SHRINKAGE	
	I.D. MIN ^{3/}	I.D. MAX	I.D. MAX	WALL THICKNESS ^{4/}
M85080/4-001-0	.170	.125		.062
M85080/4-002-0	.252	.187		.062
M85080/4-003-0	.338	.250		.062
M85080/4-004-0	.506	.375		.062
M85080/4-005-0	.672	.500		.062
M85080/4-006-0	.843	.625		.062
M85080/4-007-0	1.012	.750		.062
M85080/4-008-0	1.181	.875		.062
M85080/4-009-0	1.350	1.000		.062
M85080/4-010-0	1.688	1.250		.062
M85080/4-011-0	2.025	1.500		.062
M85080/4-012-0	2.363	1.750		.062
M85080/4-013-0	2.700	2.000		.062

1/ DIAMETER LIMITS FOR OBJECT TO BE ENCLOSED SHOULD BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER.
 2/ THE COLOR CODE IDENTIFIED IS THE STANDARD ACQUISITION COLOR.
 3/ THE INNER DIAMETER OF THE SLEEVE MAY BE MECHANICALLY EXPANDED 2X THE RECOVERED INSIDE DIAMETER WHEN IN THE AS-SUPPLIED CONDITION. THE MANUFACTURER SHOULD BE CONSULTED FOR SPECIAL APPLICATIONS AND RECOMMENDATIONS.
 4/ WALL SHRINKAGE WILL BE LESS IF SHRINKAGE IS RESTRICTED.

UNRESTRICTED SHRINKAGE: 4.6.3.13; 23° ± 1°C (73.4° ± 2°F) FOR 24 HOURS.