

AS85080/3

FEDERAL SUPPLY CLASS
5970

NOTICE

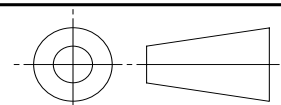
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THIRD ANGLE PROJECTION



CUSTODIAN: SAE AE-8/AE-8C2

PROCUREMENT SPECIFICATION: MIL-I-85080

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

INSULATION SLEEVING,
ELECTRICAL, SHRINKABLE WITHOUT HEAT,
POLYURETHANE FLEXIBLE

AS85080/3
SHEET 1 OF 3

ISSUED 2004-04

REQUIREMENTS:

CONTINUOUS OPERATING TEMPERATURE RANGE: -55°C (-67°F) TO +125°C (+257°F).

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

COLOR: THE TUBING SHALL BE FURNISHED IN BLACK, WHITE OR CLEAR AS STANDARD COLORS. COLORS SHALL CONFORM TO THE REQUIREMENTS OF CLASS II OF MIL-STD-104.

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:

M85080/3 - 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: WHITE, 0.506 INCH AS SUPPLIED I.D. SLEEVING SHALL BE IDENTIFIED AS M85080/3-007-9.

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

MILITARY PART NUMBER ^{2/}	AS SUPPLIED I.D. MIN ^{3/}	AFTER UNRESTRICTED SHRINKAGE	
		I.D. MAX	WALL THICKNESS ^{4/}
M85080/3-001-X	0.042	0.031	0.015
M85080/3-002-X	0.084	0.062	0.020
M85080/3-003-X	0.126	0.093	0.020
M85080/3-004-X	0.170	0.125	0.020
M85080/3-005-X	0.252	0.187	0.020
M85080/3-006-X	0.338	0.250	0.025
M85080/3-007-X	0.506	0.375	0.025
M85080/3-008-X	0.675	0.500	0.030
M85080/3-009-X	0.843	0.625	0.030
M85080/3-010-X	1.012	0.750	0.035
M85080/3-011-X	1.350	1.000	0.040
^{1/} DIAMETER LIMITS FOR OBJECT TO BE ENCLOSED SHOULD BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER.			
^{2/} THE COLOR CODE IDENTIFIED SHALL BE REPLACED BY THE COLOR CODE FROM 1.2.2.			
^{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: 4.6.3.12; 23° \pm 1°C (73.4° \pm 2°F) FOR 24 HOURS.