

General Attributes**Status: Released**

Specification number AS31091
Specification revision level E
CSR number 5077D
CSR revision level R
Owner SAE INTERNATIONAL
CSR document part indicator CSR document

CSR Document Text

CSR document text

Document superseded by Aerospace Standard AS31091 revision A in October 1997

Part numbers remain identical to previous reference. Part Callout as follows:

MS3109-DDMA, where "DD" is the dash number, "M" is the material code, and "A" is the adhesive code (C = Coated, U = Uncoated).

LABEL INDIVIDUAL BAGS WITH:

HEAT SHRINKABLE INSULATING

COMPONENTS, MOLDED

MS3109-XXXX

DATE OF MFG:

EXPIRATION DATE: 1 YR FOR -12

5 YR FOR -3,-4

** Adhesive coating is not available for -12 material **

** SPECIAL MANUFACTURING:

P RECOVERED

-01 = 4.17 +/- .25

-02 = 4.77 +/- .25

-03 = 5.46 +/- .25

-04 = 6.28 +/- .25

-05 = 7.00 +/- .25

-06,-07,-08,-09,-10 = 8.00 +/- .25

-14 = 3.15 +/- .25

-15 = 4.08 +/- .25

-16 = 5.13 +/- .25

-17 = 6.50 +/- .25

-18 = 7.00 +/- .25

R RECOVERED

-18 = 3.75 +/- .10

MATERIAL CODE:

A = -4

B = -3

C = -12

Q.C.: SHALL CERTIFY IN WRITING, MOLDED
COMPONENTS AFTER STORAGE AT 18 TO 35
DEGREES C FOR A PERIOD OF X YEAR(S)
SHALL CONFORM TO THE DIMENSIONAL
REQUIREMENTS OF AS31091.

X = 1 FOR -12 MATERIAL

X = 5 FOR -3 & -4 MATERIALS

CORP. SPEC.: RT-301, RT-1304, RT-1312,
SCD

Q.C.: DIMENSIONS PER MS3109. PHYSICALS

PER MIL-I-81765/1A, Type I (-3), Type II (-4) OR /4A (-12).
DIFFERENCES:

P RECOVERED

	THEY SAY:	WE SAY:
-01	4.17 +/- .25	4.17 +/- 10%
-02	4.77 +/- .25	4.77 +/- 10%
-04	6.28 +/- .25	6.28 +/- 10%
-05	7.00 +/- .25	7.00 +/- 10%
-07, -08, -09, -10		
	8.00 +/- .25	8.00 +/- 10%
-13	2.63 +/- .25	2.63 +/- 10%
-14	3.15 +/- .25	3.15 +/- 10%

R RECOVERED

	THEY SAY:	WE SAY:
-01	.46 +/- .10	.46 REF.
-02, -03, -04		
	.48 +/- .10	.48 REF.
-05	.55 +/- .10	.55 REF.
-06, -07		
	.60 +/- .10	.60 REF.
-08, -09, -10		
	.63 +/- .10	.63 REF.
-11	.83 +/- .10	.83 REF.
-12	1.09 +/- .10	1.09 REF.

T RECOVERED

	THEY SAY:	WE SAY:
-01, -02, -03, -04		
	.040 +/- .004	.04 REF.
-08, -09		
	.080 +/- .004	.08 REF.

EXCEPTIONS:

*** Waivers ***

* MS3109-11CU + Material C from Petsche 9/27/01

Materials:

None, previously identified Material C exception cleared by qualification testing 10/30/01.

Dimensions:

Dash#	Dimen.	SAE says	RI Dim.	RI req't
-01MA	Rec. S	0.47 +/- 0.06 in.	U	0.56 +/- 10% inch
vs SCD 202D211-M-61/A-0				
-02MA	Rec. S	0.47 +/- 0.06 in.	U	0.59 +/- 10% inch
vs SCD 202D221-M-61/A-0				
-03MA	Rec. P	5.46 +/- 0.25 in.	P	5.46 +/- 10% inches
	Rec. S	0.47 +/- 0.06 in.	U	0.61 +/- 10% inch
vs SCD 202D232-M-61/A-0				

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-04MA	Rec. S	0.47 +/- 0.06 in.	U	0.62 +/- 10% inch
vs SCD 202D242-M-61/A-0				
-05MA	Rec. P	7.00 +/- 0.25 in.	P	7.00 +/- 10% inches
	Rec. S	0.47 +/- 0.06 in.	U	0.71 +/- 10% inch
	Rec. T	0.065 +/- 0.004 in.	T	0.065 inch reference
vs SCD 202D253-M-61/A-0				
-06MA	Rec. P	8.00 +/- 0.25 in.	P	8.00 +/- 10% inches
	Rec. S	0.47 +/- 0.06 in.	U	0.78 +/- 10% inch
	Rec. T	0.065 +/- 0.004 in.	T	0.065 inch reference
vs SCD 202D263-M-61/A-0				
-07MA	Rec. S	0.47 +/- 0.06 in.	U	0.82 +/- 10% inch
	Rec. T	0.065 +/- 0.004 in.	T	0.065 inch reference
vs SCD 202D274-M-61/A-0				
-08MA	Rec. S	0.63 +/- 0.06 in.	U	0.92 +/- 10% inch
vs SCD 202D285-M-61/A-0				
-09MA	Rec. S	0.63 +/- 0.06 in.	U	0.93/-10% inch
vs SCD 202D296-M-61/A-0				
-10MA	Rec. S	0.63 +/- 0.06 in.	U	1.23 +/- 10% inches
	Rec. T	0.065 +/- 0.004 in.	T	0.065 inch reference
vs SCD 202D299-M-61/A-0				
-11MA	Rec. T	0.040 +/- 0.004 in.	T	0.04 inch reference
vs SCD 202D121-M-60/A-0				
-12MA	Rec. T	0.040 +/- 0.004 in.	T	0.04 inch reference
vs SCD 202D132-M-60/A-0				
-13MA	Rec. R	1.39 +/- 0.10 in.	R	1.39 inch reference
	Rec. T	0.040 +/- 0.004 in.	T	0.04 inch reference
vs SCD 202D142-M-60/A-0				
-14MA	Rec. R	1.63 +/- 0.10 in.	R	1.63 inch reference
	Rec. T	0.040 +/- 0.004 in.	T	0.04 inch reference
vs SCD 202D153-M-60/A-0				
-15MA	Rec. P	4.08 +/- 0.25 in.	P	4.08 +/- 10% inches
	Rec. R	2.22 +/- 0.10 in.	R	2.22 inch reference
	Rec. T	0.065 +/- 0.004 in.	T	0.065 inch reference
vs SCD 202D163-M-60/A-0				
-16MA	Rec. P	5.13 +/- 0.25 in.	P	5.13 +/- 10% inches
	Rec. R	2.54 +/- 0.10 in.	R	2.54 inch reference
	Rec. T	0.065 +/- 0.004 in.	T	0.065 inch reference
vs SCD 202D174-M-60/A-0				
-17MA	Rec. P	6.50 +/- 0.25 in.	P	6.50 +/- 10% inches
	Rec. R	3.31 +/- 0.10 in.	R	3.31 inch reference
	Rec. T	0.080 +/- 0.004 in.	T	0.08 inch reference
vs SCD 202D185-M-60/A-0				

-18MA	Rec. P	7.00 +/- 0.25 in.	P	7.00 +/- 10% inches
	Rec. R	3.75 +/- 0.10 in.	R	3.75 inch reference
	Rec. T	0.080 +/- 0.004 in.	T	0.08 inch reference

vs SCD 202D196-M-60/A-0

Manufacturing Attributes

CSR number

5077D

CSR document part indicator

Manufacturing requirements

Shipping Instructions for generic customers

CSR number	5077D
CSR document part indicator	Shipping instructions

Shipping Text

Shipping instructions

Label Information LABEL INDIVIDUAL BAGS WITH:

HEAT SHRINKABLE INSULATING

COMPONENTS, MOLDED

MS31XX-XXX

EXPIRATION DATE: 1 YR FOR -12

5 YR FOR -3,-4

P.O. NUMBER:
