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	TEST	METHOD	RESULT
*	Standard for the Flammability of Mattresses and Mattress Pads	16 CFR 1632	PASS



Seal



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Environment

The requirements and standards apply to equipment intended for use in

X	Residential (domestic) environment
X	Commercial and light-industrial environment
X	Industrial environment
X	Medical environment

16 CFR 1632 - Standard for the Flammability of Mattresses and Mattress Pads

Scope

This test manual is not the complete mandatory standard but is a tool that may be used in conjunction with the requirements specified in the Standard. Lists the test equipment used to perform the test in accordance with the standard.

Summary Of Test

The Standard for the Flammability of Mattresses and Mattress Pads was issued to reduce the unreasonable risk of property damage, burn injuries, and deaths from fires associated with mattresses and mattress pads. The Standard prescribes a test to determine the smoldering ignition resistance of a mattress or mattress pad prototype when exposed to a smoldering ignition source (lighted cigarette).

Procedure

- ✓ Test mattress specimens in a room with a temperature greater than 18 °C (65 °F) and a relative humidity of less than 55 percent. Place at least one ignited cigarette on the mattress surface within 10 minutes of removing the cigarette from the conditioning room if the test is not performed in the same room used to condition the specimen. If the second side of the mattress will be tested, test it immediately after completion of the first side, as long as the second side of the mattress has not been impacted by extinguishing the first side.
- ✓ Place at least 18 ignited cigarettes on each mattress surface. At least nine cigarettes are placed on the "Bare" mattress test surface, and at least nine cigarettes are placed on the "Sheet" test surface.
- ✓ Position the cigarettes at least 6 inches (15.2 cm) apart on the mattress surface. Do not allow more than 4 mm (0.16 inch) of the length of the cigarettes to burn before placing them on the mattress surface.

Test Conditions

Temperature (°C)	> 18
Relative Humidity (%)	< 55

TEST RESULT

Side a				
Bare Mattress Test				
Test Number	Test Location			No Relights
	Smooth	Tape Edge	Quilt	
1	< 5,1 cm	< 5,1 cm	-	0
2	< 5,1 cm	< 5,1 cm	-	0
3	< 5,1 cm	< 5,1 cm	-	0
4	< 5,1 cm	< 5,1 cm	-	0
5	< 5,1 cm	< 5,1 cm	-	0
6	< 5,1 cm	< 5,1 cm	-	0
7	< 5,1 cm	< 5,1 cm	-	0
8	< 5,1 cm	< 5,1 cm	-	0
9	< 5,1 cm	< 5,1 cm	-	0

Two-Sheet Test				
Test Number	Test Location			No Relights
	Smooth	Tape Edge	Quilt	
1	< 5,1 cm	< 5,1 cm	-	0
2	< 5,1 cm	< 5,1 cm	-	0
3	< 5,1 cm	< 5,1 cm	-	0
4	< 5,1 cm	< 5,1 cm	-	0
5	< 5,1 cm	< 5,1 cm	-	0
6	< 5,1 cm	< 5,1 cm	-	0
7	< 5,1 cm	< 5,1 cm	-	0
8	< 5,1 cm	< 5,1 cm	-	0
9	< 5,1 cm	< 5,1 cm	-	0

Comment

The tested bedding complies with the requirements of 16 CFR 1632.
Damage lengths are < 5.1 cm.

*** End of Report***