



Att Mr John Roberts
m/s Bridgestone Pty,
Consumer Products Division 20 Gippsland Highway Dandenong Vic

TEST REPORT No. 072466

LABORATORY REF: P072466

CUSTOMER REFERENCE

MEDALLION

Sample description as provided by customer

Order No. JR

Mass/unit area **26 oz/yd² 882 g/m²** Pile Fibre Content **100% RESISTAIN SOLUTION DYED NYLON**

Construction Details **Tufted** Secondary Backing **Synthetic**

Colour **Yellow/Fawn**

Style **Loop**

Pile Height **3.5 mm**

TEST METHOD AS/ISO 9239.1 2003 Reaction To Fire Tests For Floorings Part 1 Determination of the Burning Behaviour Using a Radiant Heat Source. As required by specification C1.10a of the Building Code of Australia.

Tested in accordance with the Carpet Institute Code of Practice for AS/ISO 9239 Testing Version 10 / 0805.

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test, they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use. Clause 9 of AS/ISO 9239 Part 1

Conditioning as specified in BS EN 13238.2001

Sample submitted Date **18/11/2007**

Test Date **8/12/2007**

ASSEMBLY SYSTEM OVER UNDERLAY details below.

The UNDERLAY used was BRIDGESTONE FIRECHECK

Substrate : Non-combustible

Substrate – 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.

Sample Cleaned as Specified in ISO 11379.1997


Initial Test Specimen 1 Length Direction Critical Radiant Flux 2.1 kW/m²
Specimen 1 Width Direction Critical Radiant Flux 2.0 kW/m²
Full tests carried out in the Width Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	2.0	2.1	2.2	2.1
Smoke Development Rate (%.min)	537	479	373	463


*The values quoted below are as required by Specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.
The Critical Radiant Flux quoted is the value at Flame-Out.*

MEAN CRITICAL RADIANT FLUX 2.1 kW/m²
MEAN SMOKE DEVELOPMENT RATE 463 %.min

OBSERVATIONS **The samples slowly shrunk away from the heat source then ignited**



Authorised Signatory **M. B. Webb**
Date **8/12/2007**



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COMPETENCE**

NATA Reg. No. 15393
Heat and temperature measurement.

PAGE 1 of 2

Page 2 only shows the time required in seconds for the flame front to reach each time marker, the total test time and the CHF value at 30 minutes (if applicable).

The laboratory allows the use of this page of the report without the use of page 2.

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THE INFORMATION PROVIDED ON THIS PAGE OF THE TEST REPORT IS FOR THE SPONSORS USE ONLY AND WILL MEET THE REQUIREMENTS OF THE STANDARD. IT IS NOT REQUIRED UNDER CLAUSE C1.10A OF THE BUILDING CODE OF AUSTRALIA

Pyrometer temperature
On calibration 535.9°C
Start of test run 536.1
End of test run 534.2

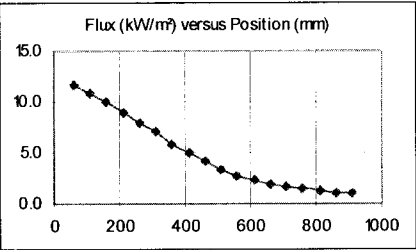
Chamber temperature
On calibration 96.6°C
Start of test run 95.4
End of test run 96.2

Clause 7.2.2 AS/ISO 9239 The pyrometer should be $\pm 5^\circ$ of calibration temperature.
The Chamber temperature should be $\pm 10^\circ$ of calibration temperature
The Holding Tension on Specimen Frame was 1 Nm

TIME FOR EACH SPECIMEN TO REACH EACH MARKER IN SECONDS

Specimen	50	60	110	160	210	260	310	360	410	460	510	560	610	660	710	760	810	860
1	158	164	236	251	289	357	448	624	659	920	1185	1536	1663	/				
2	162	169	254	283	316	382	428	639	671	1058	1493	1683	1824					
3	139	147	186	298	325	346	394	485	560	1236	1853	2081	2654	/				

FLUX CALIBRATION: FLX07001



TESTS

SMOKE PRODUCTION

BURNING CHARACTERISTICS

Specimen	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)	Burn Length at Flame Out (mm)	Time To Burn Out (s)	Critical Heat Flux at 30min (kW/m²)
Initial Test: Length	69	485	642	1,942	2.3
Specimen Tests: Width					
1	71	537	656	1,858	2.0
2	68	479	642	1,953	2.4
3	74	373	625	2,725	2.9
Mean	71	463	641	2,179	2.4



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