**m/s Beaulieu of Australia**
64 Lahrs Rd,Ormeau Q/Ld 4208
Attn: MS Sue Schultz

**TEST REPORT No. 159187**

**LABORATORY REF: P159187**

CUSTOMER REFERENCE

# MEDALLION

**Sample description as provided by customer** Order No. **PO25054**
Mass/unit area **26** oz/yd² Pile Fibre Content **100% RESISTAIN SOLUTION DYED NYLON**
Construction Details **Tufted** Secondary Backing **Synthetic** Colour **Grey/Fawn**
Style **Loop Pile** Pile Height **3.4** 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 C1.10 of the Building Code of Australia.**

The test values 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. Clause 9 of AS/ISO 9239 Part 1.

Conditioning as specified in BS EN 13238.2001
Sample submitted Date **Sep 2015** Test Date **04 Oct 2015**

## ASSEMBLY SYSTEM: OVER UNDERLAY (Details Below).

**The UNDERLAY used was DUNLOP LUXURY TRED .**

**Substrate: Non-Combustible**
**Substrate - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.**
The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction Critical Radiant Flux 2.6 kW/m²
Specimen 1 Width Direction Critical Radiant Flux 2.3 kW/m²
Full tests carried out in the Width Direction

| SPECIMEN | Width #1 | Width #2 | Width #3 | Mean |
|---|---|---|---|---|
| Critical Radiant Flux (kW/m²) | 2.3 | 2.6 | 2.5 | 2.5 |
| Smoke Development Rate (%.min) | 232 | 241 | 229 | 234 |

*The values quoted below are as required by Specification C1.10 Fire Hazard Properties (Floors) of the Building Code of Australia. The Critical Radiant Flux quoted is the value at Flame-Out/Extinguishment (BCA General Provisions A1.1).*

## MEAN CRITICAL RADIANT FLUX 2.5 kW/m²

## MEAN SMOKE DEVELOPMENT RATE 234 percent-minutes

OBSERVATIONS: **The samples shrunk away from the heat source, ignited and burnt a relatively short distance.**

NATA ACCREDITED FOR TECHNICAL COMPETENCE

**M. B. Webb**
Technical Manager

DATE: 04 Oct 2015

Performance & Approvals
Testing No. 15393
**Accredited for compliance with ISO/IEC 17025.**

**PAGE 1 of 2**

Clause 9 of AS/ISO 9239 Part 1

The values on Page 2 have no relevance to the Code.

1004 04 09

## 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 | 236 | 237 | 247 | 289 | 327 | 367 | 383 | 475 | 571 | 931 | 1228 | 1762 | 2316 | / | | | | |
| 2 | 239 | 240 | 251 | 299 | 337 | 388 | 425 | 503 | 587 | 1046 | 1328 | 1851 | | | | | | |
| 3 | 212 | 214 | 266 | 313 | 355 | 403 | 449 | 542 | 592 | 973 | 1484 | 1906 | | | | | | |

**TESTS** **BURNING CHARACTERISTICS** **SMOKE PRODUCTION**

| Specimen | Burn Length (mm) at Flame Out/ Extinguishment | Time To Burn Out (s) | Maximum Light Attenuation (%) | Smoke Development Rate (%.min) |
|---|---|---|---|---|
| Initial Test: **Length** | **570** | **2,283** | **61** | **229** |
| Specimen Tests: **Width** | | | | |
| **1** | **610** | **2,324** | **62** | **232** |
| **2** | **570** | **2,009** | **64** | **241** |
| **3** | **580** | **2,209** | **65** | **229** |
| **Mean** | **587** | **2,324** | **64** | **234** |

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

**M. B. Webb**
Technical Manager

DATE: 04 Oct 2015

Performance and Approvals Testing No. 15393
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*The laboratory does not allow the use of this page of the report without the use of page 1.*
This page alone has no validity under Clause 9 of AS/ISO 9239 Part 1
2004 04 09 9369 4 October 2015

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