

Certificate of Test

NE6481

REPORT No.: FNE10283

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AS/NZS 1530.3:1999 SIMULTANEOUS DETERMINATION OF IGNITABILITY, FLAME PROPAGATION, HEAT RELEASE AND SMOKE RELEASE

TRADE NAME: Proflex Silicone Flexible Duct Connector

SPONSOR: RMD Industries Pty Ltd
6-10 Market Road
SUNSHINE VIC
AUSTRALIA

DESCRIPTION OF SAMPLE: The sponsor described the tested specimen as silicone flexible duct connector material.

Nominal thickness: 0.5 mm
Nominal mass: 1038 g/m²
Colour: aluminium

TEST PROCEDURE: Six samples were tested in accordance with Australian Standard 1530, Method for fire tests on building components and structures, Part 3: Simultaneous determination of ignitability, flame propagation, heat release and smoke release, 1999. For the test, each sample was held between two layers of square mesh having 0.8-mm dia. wires at approximately 13-mm centres over each face, and was clamped to the specimen holder in four places.

RESULTS: The following means and standard errors were obtained:

| Parameter | Mean | Standard Error |
|--|--------|----------------|
| Ignition Time (min) | N/A | N/A |
| Flame Spread Time (s) | N/A | N/A |
| Heat Release Integral (kJ/m ²) | N/A | N/A |
| Smoke Release (log ₁₀ D) | -1.707 | 0.107 |

For regulatory purposes these figures correspond to the following indices:

| Ignitability Index (0-20) | Spread of Flame Index (0-10) | Heat Evolved Index (0-10) | Smoke Developed Index (0-10) |
|---------------------------|------------------------------|---------------------------|------------------------------|
| 0 | 0 | 0 | 2 |

The results of this fire test may be used to directly assess fire hazard, but it should be recognised that a single test method will not provide a full assessment of fire hazard under all fire conditions.

DATE OF TEST: 4 October 2011

Issued on the 10th day of October 2011 without alterations or additions.



Heherson Alarde
Testing Officer



Garry E Collins
Manager, Fire Testing and Assessments



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